

A RESOLUTION AUTHORIZING THE ISSUANCE OF NOTICE OF AWARD FOR THE 2020 ROAD PROGRAM PROJECT BY THE VILLAGE OF BARRINGTON HILLS, ILLINOIS

WHEREAS, the Village of Barrington Hills (the "Village") is a home-rule municipality pursuant to Article VII, Section 6, of the Constitution of the State of Illinois, and as such is authorized to take all reasonable action pertaining to its affairs in accordance therewith; and

WHEREAS, in the opinion of a majority of the corporate authorities of the Village, it is advisable, necessary and in the public interest that the Village contract for the improvement and maintenance of various roads within the Village as described in the 2020 Road Program (the "Project"); and

WHEREAS, the Village authorized the advertisement of bids for the Project and pursuant to the authorization, a notice soliciting bids was published and plans, specifications and proposal forms (hereinafter the "Bid Documents") were made available to prospective bidders; and

WHEREAS, sealed bids were accepted and opened on February 19, 2020; and

WHEREAS, the Village received and evaluated bids from five (5) potential contractors; and

WHEREAS, the Village Engineer has analyzed each of the bids and recommended that the Village award Brothery Asphalt Paving, Inc. (the "Contractor") the contract for the Project as the Contractor has been found to have provided the lowest responsible bid at \$796,287.33 for the installation of the Project; and

WHEREAS, the Contractor has not been disqualified from bidding and its proposal met, without exception, all of the requirements of the Bid Documents.

NOW, THEREFORE, BE IT RESOLVED by the President and Board of Trustees of the Village of Barrington Hills, a home rule municipality, Cook, Lake, Kane and McHenry Counties, Illinois, as follows:

SECTION ONE: That the recitals set forth above are incorporated herein and made a part hereof.

SECTION TWO: It is hereby determined that it is advisable, necessary and in the public interest that the Village contract for the installation of the Project.

SECTION THREE: It is hereby determined that Contractor has not been disqualified from bidding and its proposal met, without exception, all of the requirements of the Bid Documents, including, without limitation, the provisions of the Illinois Prevailing Wage Act (820 ILCS 130/1, et seq.).

SECTION FOUR: It is hereby determined that the bid proposal of Contractor provides the lowest responsible bid for the installation of the Project.

SECTION FIVE: That the President be and is hereby authorized and directed to execute and the Village Clerk be and is hereby authorized and directed to attest on a Contract for the installation of the Project along with all other written contract documents attached (hereinafter the "Contract"), a copy

of which Contract is attached hereto as Exhibit A and made a part hereof, which Contract shall require compliance with the Illinois Prevailing Wage Act; PROVIDED that Contractor returns to the Village said Contract along with the proper contract bonds and policies of insurance within fifteen (15) calendar days from the date of the Notice of Award.

SECTION SIX: That this Resolution shall be in full force and effect upon its passage and approval in accordance with law.

Ayes: 7 Nays: 0 Absent: 0

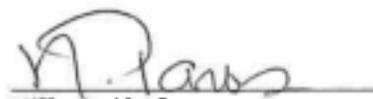
PASSED AND APPROVED by the President and Board of Trustees of the Village of Barrington Hills, Illinois, this 24th day of February, 2020.

APPROVED:



Village President

ATTEST:



Village Clerk



February 20, 2020

Village of Barrington Hills
Attn: Anna Paul, Village Clerk
112 Algonquin Road
Barrington Hills, IL 60010

Re: Recommendation to Award
2020 Road Resurfacing Program

Dear Ms. Paul,

Trotter and Associates, Inc. (TAI) received five (5) sealed proposals for the Village of Barrington Hills 2020 Road Resurfacing Program on February 19, 2020. Upon opening and reviewing the proposals, Brothers Asphalt Paving, Inc. was the lowest responsible bidder, with a bid amount of \$796,287.33. The engineer's cost estimate for the project is \$932,469.30. The table below contains the bid total for each bidder.

Brothers Asphalt Paving, Inc.	\$796,287.33
Orange Crush	\$798,944.86
Arrow Road Construction	\$804,664.56
Geske and Sons, Inc.	\$819,639.80
Schroeder Asphalt	\$838,128.71

TAI has checked their references and recommends that the Village Board vote to award the 2020 Road Resurfacing Program to Brothers Asphalt Paving, Inc.

If you have any questions or need additional information, please do not hesitate to contact me at (224) 225-1300 or at s.cieslica@trotter-inc.com.

Sincerely,

TROTTER AND ASSOCIATES, INC.

Steve Cieslica, P.E.
Village Engineer

Cc: Alex Dye, Trotter and Associates, Inc.
Amy Whitis, Trotter and Associates, Inc.



PROPOSAL SUBMITTED BY		
Brother's Asphalt Paving, Inc.		
Contractor's Name		
315 South Stewart		
Street		P.O. Box
Addison	IL	60101
City	State	Zip Code

STATE OF ILLINOIS

COUNTY Lake/McHenry/Cook/Kane
Village of Barrington Hills
(Name of City, Village, Town or Road District)

FOR THE IMPROVEMENT OF
 STREET NAME OR ROUTE 2020 Road Program
 SECTION NO. N.A.
 TYPES OF FUNDS Local

- SPECIFICATIONS (required) PLANS (required) CONTRACT BOND (when required)

For Municipal Projects
 Submitted/Approved/Passed

Mayor President of Board of Trustees Municipal Official

Date 3/13/2020

Department of Transportation
 Concurrence in approval of award

 Regional Engineer

Date _____

For County and Road District Projects
 Submitted/Approved

 Highway Commissioner

 Date

Submitted/Approved

 County Engineer/Superintendent of Highways

 Date

 11/30/21
Stephen P. Cieslica

County Lake/McHenry
Local Public Agency Barrington Hills
Section Number N.A.
Route 2020 Road Program

1. THIS AGREEMENT, made and concluded the 13th day of March, 2020 Month and Year:
between the Village of Barrington Hills
acting by and through its Village Board known as the party of the first part, and
Brother's Asphalt Paving, Inc his/their executors, administrators, successors or assigns,
known as the party of the second part.

2. Witnesseth: That for and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring to these presents, the party of the second part agrees with said party of the first part at his/their own proper cost and expense to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this agreement and the requirements of the Engineer under it.

3. And it is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section NA in Barrington Hills approved by the Illinois Department of Transportation on 4. A Date, are essential documents of this contract and are a part hereof.

4. IN WITNESS WHEREOF, The said parties have executed these presents on the date above mentioned.

Attest:
[Signature]
Clerk
(Seal)



Tha Village of Barrington Hills
By [Signature]
Party of the First Part
(If a Corporation)

Corporate Name Brother's Asphalt Paving, Inc.
By [Signature]
President Party of the Second Part
(If a Co-Partnership)

Attest:
[Signature]
Secretary

Partners doing Business under the firm name of
Party of the Second Part
(If an Individual)
Party of the Second Part

RETURN WITH BID

NOTICE TO BIDDERS

County McHenry/Lake/Cook/Kane
Local Public Agency Village of Barrington Hills
Section Number N.A.
Route 2020 Road Program

Sealed proposals for the improvement described below will be received at the office of Trotter and Associates, Inc.,
38 W. Grand Avenue, Fox Lake, IL 60020 until 3:00 P.M. on February 19th, 2020
Address Time Date

Sealed proposals will be opened and read publicly at the office of Trotter and Associates, Inc.,
38 W. Grand Avenue, Fox Lake, IL 60020 at 3:00 P.M. on February 19th, 2020
Address Time Date

DESCRIPTION OF WORK

Name Village of Barrington Hills 2020 Road Program Length: 14,943 feet (2.81 miles)
Location Various Locations Within the Village Limits of Barrington Hills
Proposed Improvement HMA Surface Removal, Class D Patches, Resurfacing; Placement of Pavement Markings
on Various Roadways; and other improvements as required.

1. Plans and proposal forms will be available in the office of Trotter and Associates, Inc., for \$50.00
40W201 Wasco Road, Suite D, St. Charles, IL 60175 Phone: (630) 587 - 0473
Address

- 2. Prequalification
If checked, the 2 low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57). In duplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and one original with the IDOT District Office.
- 3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals
- 4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:
 - a. BLR 12200: Local Public Agency Formal Contract Proposal
 - b. BLR 12200a Schedule of Prices
 - c. BLR 12230: Proposal Bid Bond (if applicable)
 - d. ~~BLR 12325: Apprenticeship or Training Program Certification (do not use for federally funded projects)~~
 - e. BLR 12326: Affidavit of Illinois Business Office

RETURN WITH BID

5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.
6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.
9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.
10. Questions regarding this bid package can be directed to Mr. Steve Cieslica (s.cieslica@trotter-inc.com) of Trotter and Associates, Inc.

RETURN WITH BID

PROPOSAL

County McHenry/Lake/Cook/Kane
Local Public Agency Village of Barrington Hills
Section Number N.A.
Route 2020 Road Program

1. Proposal of Brothers Asphalt Paving, Inc

for the improvement of the above section by the construction of HMA Surface Removal, Class D Patches, PCC Curb R & R, Resurfacing; Placement of Pavement Markings on Various Roadways; and other associated improvements as required.

a total distance of 14,843 feet, of which a distance of 14,843 feet, (2.81 miles) are to be improved.

- 2. The plans for the proposed work are those prepared by Trotter and Associates, Inc. and approved by the Department of Transportation on N.A.
- 3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.
- 4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.
- 5. The undersigned agrees to complete the work within 95 working days or by June 26, 2020 unless additional time is granted in accordance with the specifications.
- 6. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds will be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to:

Village of Barrington Hills Treasurer of _____

The amount of the check is 5% of total bid (5%)

- 7. In the event that one proposal guaranty check is intended to cover two or more proposals, the amount must be equal to the sum of the proposal guaranties, which would be required for each individual proposal. If the proposal guaranty check is placed in another proposal, it will be found in the proposal for: Section Number N.A.
- 8. The successful bidder at the time of execution of the contract will be required to deposit a contract bond for the full amount of the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond or check shall be forfeited to the Awarding Authority.
- 9. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
- 10. A bid will be declared unacceptable if neither a unit price nor a total price is shown.
- 11. The undersigned submits herewith the schedule of prices on BLR 12200a covering the work to be performed under this contract.
- 12. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12200a, the work shall be in accordance with the requirements of each individual proposal for the multiple bid specified in the Schedule for Multiple Bids below.

RETURN WITH BID



SCHEDULE OF PRICES

County McHenry/Lake/Cook/Kane
 Local Public Agency Village of Barrington Hills
 Section N.A.
 Route 2020 Road Resurfacing Program

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total
	N/A	

Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Bidder's Proposal for making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
1	Removal and Disposal of Unusable Materials	CY	155	\$45.00	\$6,975.00
2	Remove Gravel Embankment	CY	155	\$45.00	\$6,975.00
3	Topsoil Fertilize and Place, Variable Depth (Special)	SY	6708	\$7.32	\$63,742.56
4	Grading and Shaping Ditches	LF	1900	\$13.00	\$24,700.00
6	Stone Riprap, Class A3	TN	18	\$353.50	\$6,363.00
6	Blumhouse Materials (Tack Coat)	LB	27500	\$0.20	\$5,597.20
7	Hot-Mix Asphalt Leveling Binder 3/4" (Machine Method), N50	TN	1739	\$74.00	\$128,686.00
8	Hot-Mix Asphalt Surface Course 1.5", Mix "D", N50	TN	365	\$74.00	\$27,010.00
9	Hot-Mix Asphalt Surface Course 2", Mix "D", N50	TN	4444	\$74.00	\$328,856.00
10	Class D Patches, 6" Special	BY	318	\$35.00	\$11,060.00
11	Class D Patches, 9" Special	SY	369	\$50.00	\$19,450.00
12	Class D Patches, 9" Special	SY	125	\$56.00	\$7,000.00
13	Class D Patches, 12" Special	SY	111	\$75.00	\$8,325.00
14	Pipe Culvert Removal	LF	140	\$20.20	\$2,828.00
15	Combination Concrete Curb and Buffer, (Special)	LF	484	\$52.23	\$25,279.32
16	Precast Reinforced Concrete End Section 12" W/Steel Grate	EA	2	\$1,868.50	\$3,737.00
17	Precast Reinforced Concrete End Section 18" W/Steel Grate	EA	4	\$2,171.50	\$8,686.00
18	Precast Reinforced Concrete End Section 24" W/Steel Grate	EA	2	\$2,711.85	\$5,423.70
19	Storm Sewer, Rubber Gasket, CL A Type 4 12" (Special)	LF	40	\$85.85	\$3,434.00
20	Storm Sewer, Rubber Gasket, CL A Type 4 18" (Special)	LF	80	\$90.90	\$7,272.00
21	Storm Sewer, Rubber Gasket, CL A Type 4 24" (Special)	LF	40	\$98.98	\$3,959.20
22	Marking	LS		\$7,885.00	\$7,885.00
23	Thermoplastic Pavement Marking - One 24"	LF	70	\$45.45	\$3,181.50
24	Temporary Ditch Check (Special)	EA	21	\$153.00	\$3,213.00
25	Hot-Mix Asphalt Surface Removal, 1.0" (Special)	SY	83561	\$1.50	\$35,341.50
26	Hot-Mix Asphalt Surface Removal, 1.5" (Special)	SY	4234	\$1.50	\$6,351.00
27	Hot-Mix Asphalt Surface Removal, 2.5" (Special)	SY	14908	\$2.00	\$29,816.00
28	Traffic Control and Protection (Special)	LS	1	\$4,883.35	\$4,883.35
	Total				\$796,287.33

RETURN WITH BID

CONTRACTOR CERTIFICATIONS

County	<u>McHenry/Lake/Cook/Kane</u>
Local Public Agency	<u>Village of Barrington Hills</u>
Section Number	<u>N.A.</u>
Route	<u>2020 Road Program</u>

The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder.

1. **Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedures established by the appropriate revenue Act, its liability for the tax or the amount of tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.

2. **Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

A violation of Section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.

4. **Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative Code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be cancelled.

RETURN WITH BID

SIGNATURES

County McHenry/Lake/Cook/Kane
Local Public Agency Village of Barrington Hills
Section Number N.A.
Route 2020 Road Program

(If an individual)

Signature of Bidder _____

Business Address _____

(If a partnership)

Firm Name _____

Signed By _____

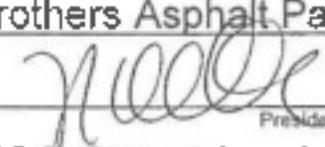
Business Address _____

Insert Names and Addressed of All Partners

} _____

(If a corporation)

Corporate Name Brothers Asphalt Paving, Inc

Signed By 
President

Business Address 315 S. Stewart Ave. Addison, IL. 60101

Insert Names of Officers

President Natalia Colella

Secretary Nick Colella

Treasurer Natalia Colella

Attest: 
Secretary



Route 2020 Road Program
County McHenry/Lake/Kane
Local Agency Barrington Hills
Section N/A
Bond No. 30085534

We, Brothers Asphalt Paving, Inc.
315 S. Stewart Avenue, Addison, IL 60101

a/an) Individual Co-partnership [X] Corporation organized under the laws of the State of IL

as PRINCIPAL, and Western Surety Company
151 N. Franklin Street, Chicago, IL 60606 as SURETY,

are held and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of Seven Hundred Ninety Six Thousand Two Hundred Eighty Seven Dollars and 33/100

Dollars (\$796,287.33), lawful money of the United States, well and truly to be paid unto said LA, for the payment of which we bind ourselves, our heirs, executors, administrators, successors, jointly to pay to the LA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said Principal has entered into a written contract with the LA acting through its awarding authority for the construction of work on the above section, which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation suffered or sustained on account of the performance of such work during the time thereof and until such work is completed and accepted, and has further agreed that this bond shall inure to the benefit of any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.

NOW THEREFORE, if the said Principal shall well and truly perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to him for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the LA and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation to be void; otherwise to remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this Instrument to be signed by their respective officers this 2nd day of March A.D. 2020

PRINCIPAL

Brothers Asphalt Paving, Inc.
(Company Name)

(Company Name)

By: Nicola Colella
Natalia Colella (Signature & Title) President

By: _____
(Signature & Title)

Attest: Nicola Colella
Nicola Colella (Signature & Title) Secretary

Attest: _____
(Signature & Title)

(If PRINCIPAL is a joint venture of two or more contractors, the company names and authorized signature of each contractor must be affixed.)

STATE OF Illinois
COUNTY OF Cook

I, Cassidy Kelly, a Notary Public in and for said county, do hereby certify that

Natalia Colella

Nicola Colella

(Insert names of individuals signing on behalf of PRINCIPAL)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing Instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instrument as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 2nd day of March A.D. 2020

My commission expires October 10, 2022

Cassidy Kelly
Cassidy Kelly Notary Public

(SEAL)

SURETY

Western Surety Company
(Name of Surety)

By: William Reidinger
William Reidinger (Signature of Attorney-in-Fact)

STATE OF Illinois
COUNTY OF Cook

I, Cassidy Kelly, a Notary Public in and for said county, do hereby certify that

William Reidinger

(Insert names of individuals signing on behalf of SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instrument as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 2nd day of March A.D. 2020

My commission expires October 10, 2022

Cassidy Kelly
Cassidy Kelly Notary Public

(SEAL)

Approved this 13th day of March A.D. 2020

Attest:
N. Pang
Clerk

Barrington Hills
(Awarding Authority)
MPK
(Chairman/Mayor/President)



Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

William Reidinger , Individually

of Schaumburg, IL its true and lawful Attorney(s)-in-fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

Surety Bond No.: 30095534
Principal: Brothers Asphalt Paving, Inc.
Obligee: Village of Barrington Hills

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 27th day of February, 2018.



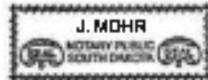
WESTERN SURETY COMPANY

Paul T. Bruffat
Paul T. Bruffat, Vice President

State of South Dakota }
County of Minnehaha }

On this 27th day of February, 2018, before me personally came Paul T. Bruffat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires
June 23, 2021



J. Mohr
J. Mohr, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is full in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 2nd day of March 2020.



WESTERN SURETY COMPANY

L. Nelson
L. Nelson, Assistant Secretary

Authorizing By-Law

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.



**Illinois Department
of Transportation**

Certificate

Certificate of Eligibility

Contractor No 0623

**Brothers Asphalt Paving, Inc.
315 S. Stewart Ave Addison, IL 60104**

WHO HAS FILED WITH THE DEPARTMENT AN APPLICATION FOR PREQUALIFICATION STATEMENT OF EXPERIENCE, EQUIPMENT AND FINANCIAL CONDITION IS HEREBY QUALIFIED TO BID AT ANY OF DEPARTMENT OF TRANSPORTATION LETTINGS IN THE CLASSES OF WORK AND WITHIN THE AMOUNT AND OTHER LIMITATIONS OF EACH CLASSIFICATION, AS LISTED BELOW, FOR SUCH PERIOD AS THE UNCOMPLETED WORK FROM ALL SOURCES DOES NOT EXCEED \$15,950,000.00

001	EARTHWORK	\$1,050,000
005	HMA PAVING	\$6,400,000 B
012	DRAINAGE	\$2,200,000
017	CONCRETE CONSTRUCTION	\$3,375,000
032	COLD MILL, PLAN, & ROTOMILL	\$1,050,000
08A	AGGREGATE BASES & SURF. (A)	\$490,000

THIS CERTIFICATE OF ELIGIBILITY IS VALID FROM 4/23/2019 TO 4/30/2020 INCLUSIVE, AND SUPERSEDES ANY CERTIFICATE PREVIOUSLY ISSUED, BUT IS SUBJECT TO REVISION OR REVOCATION, IF AND WHEN CHANGES IN THE FINANCIAL CONDITION OF THE CONTRACTING FIRM OR OTHER FACTS JUSTIFY SUCH REVISIONS OR REVOCATION. ISSUED AT SPRINGFIELD, ILLINOIS ON 4/23/2019.

B Restricted to 1200 cers in any 1 contract (Class I and/or BMM) or as specified by local agency

Tim Bell

Engineer of Construction



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
2/21/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER RBN & Associates, Inc. 303 E Wacker Dr Ste 650 Chicago IL 60601	CONTACT NAME: Stephanie Harris PHONE (A/C, No. Ext): 312-856-9400 FAX (A/C, No.): 312-856-9426 E-MAIL: tharris@rbninsurance.com ADDRESS:	
	INSURER(S) ACORDING COVERAGE	
INSURED Brothers Asphalt Paving, Inc. Atty Natalia 315 S. Stewart Avenue Addison IL 60101	INSURER A: Continental Insurance Company	
	INSURER B: Selective Insurance Company of America	
	INSURER C: National Fire Ins. Co. of Hartford	
	INSURER D:	
	INSURER E:	

COVERAGES **CERTIFICATE NUMBER:** 1655054446 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CLERICAL STATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

FORM	TYPE OF INSURANCE	ADDL SUBR	POLICY NUMBER	POLICY EFF	POLICY EXP	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MAINT <input checked="" type="checkbox"/> EXCLUS <input type="checkbox"/> GENL AGGREGATE LIMIT APPLIES TO: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	Y	5091634343	4/30/2019	4/30/2020	EACH OCCURRENCE \$1,000,000 BODILY INJURY (Per person) \$100,000 BODILY INJURY (Per occurrence) \$100,000 MED EXP (Per occurrence) \$10,000 PERSONAL & ADJ INJURY \$1,000,000 UNEMP INCOME COMPENSATION \$2,000,000 PRODUCTS-COMM SUPPLY \$2,000,000 \$
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY		5 2321568	4/30/2019	4/30/2020	COMBINED SINGLE LIMIT (Per occurrence) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per occurrence) \$ PROPERTY DAMAGE (Per occurrence) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIABILITY <input type="checkbox"/> EXCESS LIABILITY <input checked="" type="checkbox"/> RETENTION \$ 0 <input type="checkbox"/> COCLR <input type="checkbox"/> CLASSIFIED		5091634078	4/30/2019	4/30/2020	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$
C	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	5091634006	4/30/2019	4/30/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> DIFFER \$1 EACH ACCIDENT \$1,000,000 \$1 JOB ASSIGNMENT \$1,000,000 \$1 DISABILITY \$1,000,000

DESCRIPTION OF OPERATIONS, LOCATIONS AND TELLS (ACORD 111, Additional Remarks Schedule, may be attached if more space is needed)
 Project: Village of Barrington Hills 2020 Road Program.
 The following entities are named as Additional Insured under the Contractor's General Liability insurance policy in accordance with Article 107.27, Village of Barrington Hills, Illinois (Owner): Lottor and Associates, Inc., 404201 Wacker Road, Ste D - St. Charles, IL 60175; and their officers, employees and agents.

CERTIFICATE HOLDER Village of Barrington Hills 112 Algonquin Road Barrington Hills IL 60010	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE (INCLUDING NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

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Affidavit of Illinois Business Office

County McHenry/Lake/Cook/Kane
Local Public Agency Village of Barrington Hills
Section Number N/A
Route 2020 Road Program

State of Illinois)
) ss.
County of DuPage)

I, Natalia Colella of Addison, Illinois
(Name of Affiant) (City of Affiant) (State of Affiant)

being first duly sworn upon oath, states as follows:

1. That I am the President of Brothers Asphalt Paving, Inc.
officer or position bidder
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under this proposal, Brothers Asphalt Paving, Inc., will maintain a
(bidder)
business office in the State of Illinois which will be located in DuPage County, Illinois
4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

Natalia Colella
(Signature)
Natalia Colella
(Print Name of Affiant)

This instrument was acknowledged before me on 19th day of February, 2020

Natalia Colella
President
Brothers Asphalt Paving, Inc.

(SEAL)



[Signature]
(Signature of Notary Public)



Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway Room 322
Springfield, Illinois 62784

Affidavit of Availability For the Letting of 2/19/2020

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both pages of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending	
Contract Number						
Contract Title						
Estimated Completion Date						
Total Contract Price						Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
Total Value of All Work						

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork						
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases & Surfaces						
Highway, R.R. and Waterway Structures						
Drainage						
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planing & Rotemiling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
Totals						\$ 0.00

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

I, being duly sworn, do hereby declare that this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Subscribed and sworn to before me

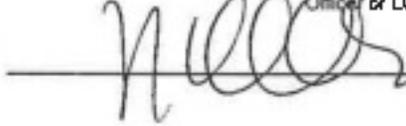
this 19th day of February, 2020

Type or Print Name Natalia Colella / President

Officer or Director

Title

 Signed



My commission expires 05/01/2021

(Notary Seal)

Company Brothers Asphalt Paving, Inc.

Address 315 S. Stewart Avenue

Addison, IL 60101



ADDENDUM No. 1

DATE: February 13, 2020

PROJECT: Village of Barrington Hills
2020 Road Resurfacing Program

PROJECT NUMBER: VBHQ03-06.2020

OWNER: Village of Barrington Hills

ENGINEER: Trotter and Associates, Inc.
40W201 Wasco Road, Suite D
St. Charles, Illinois 60175

TO: Prospective Bidders

The Addendum forms a part of the Contract Documents and modifies the Bidding Documents Printed January 28, 2020, with amendments and additions noted below.

Return the provided Receipt of Addendum Acknowledgement to Trotter and Associates, Inc. Failure to do so may disqualify the Bidder. Addendum Acknowledgment is appended as the final page of this document.

This Addendum consists of two (1) pages, plus attachments consisting of three (2) pages.

Questions & Clarifications

Q1. BLR 12200a, Schedule of Prices, Item 25 lists the quantity of 44,651 SY, the supporting bid documents list the area to be milled to be 23,561 SY which is correct?

- A. Updated BLR12200a form has been included in this Addendum showing the revised quantity of 23,561 SY for Item 25.
-

ALL ITEMS IN CONFLICT WITH THIS ADDENDUM ARE HEREBY DELETED.

THIS ADDENDUM IS HEREBY MADE PART OF THE CONTRACT DOCUMENTS AND SHALL BE NOTED ON THE PROPOSAL.

Attachments:

BLR12200a	1 page
Addendum No. 1 Acknowledgement	1 page



**Village of Barrington Hills
2020 Road Resurfacing Program**

**Receipt of Addendum Acknowledgement
Addendum No. 1**

Please enter information below and return via email to s.cieslica@trotter-inc.com. If you do not respond to this notice, repeat notices may follow. Failure to acknowledge receipt within the project Bid Documents may result in the Bid being declared Non-responsive.

Brothers Asphalt Paving, Inc (Name of Plan Holder)

I have received the Addendum by email. I have confirmed that the Addendum is complete as indicated in the Addendum description.

I have received the Addendum via fax. I have confirmed that the Addendum is complete as indicated in the Addendum description.

Jeffrey J. Cuttone (Signature)

Jeff Cuttone/Project Estimator (Printed Name, Title)

Please send future correspondence by email to the address below.

jeff@brothersasphaltpaving.com (Email Address)

Please send future correspondence by mail to the address below.

_____ (Recipient)

_____ (Company)

_____ (Street)

_____ (City, State, Zip)

I will not be bidding this project and request no further correspondence.

**2020 ROAD RESURFACING PROGRAM
INDEX OF SPECIAL PROVISIONS
VILLAGE OF BARRINGTON HILLS**

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LIST OF STREETS
2020 Road Resurfacing Program
Village of Barrington Hills

The following is a list of streets including limits, lengths, area and brief description of the work:

Street	From/To	Length	Avg. Width	Area
Rolling Hills Drive	Terminus to Bateman Road	3,036 FT (0.58 mi)	21.4 FT	5,321 SY
Longmeadow Drive	Rolling Hills Drive to Bateman Road	1,800 FT (0.34 mi)	20.4 FT	4,138 SY
Longmeadow Court	Terminus to Longmeadow Drive	662 FT (0.13 mi)	20.5 FT	2,526 SY
Country Oaks Drive	Terminus to W. County Line Road	2,218 FT (0.42 mi)	20.8 FT	5,893 SY
Country Oaks Lane	Terminus to Country Oaks Drive	1,650 FT (0.31 mi)	20.9 FT	4,611 SY
Round Barn Road	Terminus to Hawley Woods Road	760 FT (0.14 mi)	18.5 FT	2,102 SY
Durdee Lane	IL Route 68 to IL Route 59	4,717 FT (0.89 mi)	20.7 FT	11,045 SY
Totals:		27,545 FT (2.81 mi)		38,636 SY

The above street segments may include HMA Surface Removal, HMA pavement patching, HMA overlay, shoulder restoration and any other relevant associated improvements.

Oak Knoll Road	Ridge Road to Old Hair Road	12,702 FT (2.40 mi)	3.00 FT	4,234 SY
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Oak Knoll scope of work is center line pavement patching.

LIST OF STREETS
2020 Road Resurfacing Program
Village of Barrington Hills

The following is a list of streets including limits, lengths, area and brief description of the work:

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Dundee Lane	Il. Route 68 to Il. Route 59	4,717 FT (0.59 mi)	20.7 FT	11,045 SY
Totals:		27,545 FT (2.81 mi)		38,636 SY

The above street segments may include HMA Surface Removal, HMA pavement patching, HMA overlay, shoulder restoration and any other relevant associated improvements.

Oak Knoll Road Ridge Road to Old Har Road 12,702 FT (2.40 mi) 3.00 FT 4,234 SY

Oak Knoll scope of work is center line pavement patching.

PROJECT SPECIAL PROVISIONS

COMPLETION DATE

The contractor shall complete **all contracted work** within 35 working days as per Article 108.05 of the Standard Specifications.

A completion date of June 30th, 2020 is specified for **all work** on this contract. In case of failure to complete the work on time the provisions of Article 108.09 of the "Standard Specifications" shall apply.

SCOPE OF WORK

The provisions of Article 104.02 of the Standard Specifications are hereby amended as follows: **"The Village of Barrington Hills reserves the right to add or delete work from the project (any roads or portions thereof) currently included in the Village of Barrington Hills 2020 Road Resurfacing Program due to budgetary constraints. Such additions or reductions in the scope of work required by the Village shall not result in an adjustment to the unit prices originally bid."**

PROTECTION AND RESTORATION OF PROPERTY

The Contractor shall take all necessary precautions for the protection of public and private property. The Contractor is responsible for the damage or destruction of property resulting from neglect, staging, storage, stockpiling of equipment or materials, misconduct or omission in his/her manner or method of execution or non-execution of the work, or caused by defective work or the use of unsatisfactory materials and such responsibility shall not be released until the work has been completed and accepted and the requirements of these specifications complied with.

Whenever public or private property is so damaged or destroyed, the contractor shall, at their expense, restore such property to a condition equal to that which existed prior to such damage or injury by repairing, rebuilding or replacing it as may be directed, or he shall otherwise make good such damage or destruction in an acceptable manner. If he fails to do so, the Village will withhold any payouts toward completed work until arrangements are made to correct any damage as described above.

WATER SUPPLY

The indiscriminate use of fire hydrants, existing streams, creeks, wetlands, or ponds is strictly prohibited. The Contractor shall provide a water truck and driver as required to obtain and transport this water. The Contractor shall be responsible for obtaining water from an approved source. If this water is from a source other than his yard, written approval from the agency having jurisdiction for the source of the water must be received by the Contractor prior to the use of the water.

WORKING HOURS

The Contractor must adhere to the Village ordinance work time schedule. Construction work may be performed Monday thru Friday during the hours of 7:00 a.m. to 7:00 p.m. and on Saturdays from 7:00 a.m. to 3:00 p.m. with NO Work being allowed on Sundays. No work may be performed prior or beyond this period without prior written approval from the Village.

APPLICATION FOR PAYMENT

Application for payment to the Contractor shall be in accordance with the Standard Specifications and these Special Provisions. The Contractor shall submit a pay request to Village Engineer for review, for partial payment, for the work completed not more than once monthly on a date specified by the Village. The Contractor shall utilize the AIA forms G702 and G703 for each pay request.

The Contractor shall procure from each subcontractor and supplier of material or labor a waiver of any claim which they may have under the mechanics lien laws of the state in which the work is located, to insure the Village immunity from mechanics liens on subcontractors in carrying out the contract and any work orders for additions thereto, along with certified payroll, all as a condition of any payment by the Village. Any payments made by the Village without requiring compliance with this paragraph shall not be construed as a Waiver by the Village of the right to require compliance with this paragraph as a condition to later payments.

The Contractor shall submit Partial Waivers of Lien from all subcontractors and suppliers with each partial payment estimate and Contractor's Affidavit for subcontractors and suppliers with second payment request for the previous payment estimates and then with all subsequent payment estimates. The Contractor shall furnish with his final application for payment a complete release of all liens arising out of this contract, or receipts in full in lieu thereof and an affidavit that the releases and receipts include all labor and material for which a lien could be filed.

PREVAILING WAGE REQUIREMENTS

This contract calls for the construction of a "public work", within the meaning of the Illinois Prevailing Wage Act, 830 ILCS 130/01 et seq ("the Act"). The Act requires contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the "prevailing rate of wages" (hourly cash wages plus fringe benefits) in the county where the work is performed. For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor's website at: www.illinois.gov/idol/Pages/default.aspx. All contractors and subcontractors rendering services under this contract must comply with all requirements of the Act, including but not limited to, all wage, notice and record keeping duties.

TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH (SPECIAL)

This work shall consist of restoring all grass areas within **24 inches** of any newly constructed HMA traveled way, driveway approach, sidewalk, curb and gutter with **Class 1A Seeding mixture** over a minimum of four inches (4") of pulverized topsoil, or as **directed by the engineer**. The **maximum payment width of this item shall be 24" or 2'** from the paved surface edge or as directed by the engineer. The restoration of the ditches that have been graded and shaped shall have a **maximum**

payment width of 10' or as directed by the engineer. This work shall be done in accordance with the appropriate Articles of Sections 211, 212, 250, and 251 of the Standard Specifications.

If existing ground is to be used as topsoil, the existing vegetation is to be removed and the exposed ground shall be rototilled to a minimum depth of 4 inches, this may include the removal of existing aggregate shoulders. This work shall be included in the cost of **Topsoil Furnish and Place, Variable Depth (Special)**.

The **Class 1A Seeding** mixture shall be fertilized in accordance with Article 250.04 of the Standard Specifications and shall be included in the cost of **Topsoil Furnish and Place, Variable Depth (Special)**.

Once the **Class 1A Seeding** mixture has been placed Erosion Control Blanket, knitted straw mat as per Article 1081.10(b), shall be placed.

Method of Measurement:

Topsoil Furnish and Place, Variable Depth (Special) shall be measured for payment in place, which shall include the approved pulverized topsoil, Class 1A Seeding, Erosion Control Blanket and then the area will be computed in square yards, as per Article 211.07. For the **Class 1A Seeding** to be acceptable for final payment, the seed shall have germinated and the grass shall be growing in place with the roots established in the underlying soil for a **minimum of 30 days in a live, lush and healthy condition determined by the Engineer**. Planting times shall not deviate from the dates specified in Article 250.07 unless pre-approved by the Engineer and the Village of Barrington Hills.

Basis of Payment:

This work shall be paid for at the contract unit price per square yard for **Topsoil Furnish and Place, Variable Depth (Special)**. Total payment for this item will be made once the **minimum of 30 days in a live, lush and healthy condition determined by the Engineer has been achieved**. The 4 inches of approved pulverized topsoil, fertilizer, **Class 1A Seeding**, watering, and all work required to complete the work as described herein shall be included in the cost of the **Topsoil Furnish and Place, Variable Depth (Special)**. Supplemental Watering will **NOT** be paid for separately, but will be included in the line item for **Topsoil Furnish and Place, Variable Depth (Special)**.

<u>PAY ITEM DESCRIPTION</u>	<u>UNIT</u>	<u>MIX TYPE</u>	<u>PERCENT AIR VOIDS @ Ndes</u>	<u>Lift Thickness</u>	<u>Unit Weight Lbs/SqYd/in</u>
HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	IL 0.5 mm	4% @ 50 Gyr.	2.0"-	112
HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON		4% @ 50 Gyr.	3.0"	112
HOT MIX ASPHALT LEVEL BINDER COURSE (MM), N50	TON		3.5% @ 50 Gyr	3/4" Min. @ Variable Depth	110
CLASS D PATCHES, TYPE II, 6"	SQ		4% @ 70 Gyr.	6"	
CLASS D PATCHES, TYPE III, 6"	YD				
CLASS D PATCHES, TYPE II, 8"	SQ		4% @ 70 Gyr.	8"	
CLASS D PATCHES, TYPE III, 8"	YD				

Notes:

1. The unit weight used to calculate **plan quantities** for all Hot-Mix Asphalt Surface Mixtures is **115 lbs/SqYd/in**. **Constructed/field** quantities will use the IDOT recommended unit weight listed above.
2. The unit weight used to calculate **plan quantities** for level binder is **120 lbs/SqYd/in**. **Constructed/field** quantities will use the IDOT recommended unit weight listed above.
3. Hot-Mix Asphalt Binder Course, IL-19, N50 to be used instead of Leveling Binder when the total resurfacing thickness is greater than or equal to 4-3/4" (w/ Mix "D")
4. If overlaying HMA Pavement and using Mix "D" then Leveling Binder thickness will be minimum of 3/4"

Effective: November 1, 2016

Revise Article 1032.06(a) of the Standard Specifications to read:

- "(a) Anionic Emulsified Asphalt. Anionic emulsified asphalt shall be according to AASHTO M 141. SS-1h emulsions used as a tack coat shall have the cement mixing test waived."

Basis of Payment:

This work will be paid for at the contract unit price per pound for **Bituminous Materials (Tack Coat)**

CLASS D PATCHES, 5" (Special)

CLASS D PATCHES, 8" (Special)

CLASS D PATCHES, 9" (Special)

CLASS D PATCHES, 12" (Special)

Description of Work:

This work shall conform to the appropriate articles of Section 442 of the Standard Specification, except that no type classification will be kept. The patching area and limits will be determined by the engineer once the pavement milling operation has commenced to expose the underlying pavement that is to remain in place. Each patch is to have a full depth saw cut and then be removed. Saw cutting of the patches and removal of the existing pavement, including sub base is to be included in the cost of this item. If patches are depressed in excess of 3", below the surface of the surrounding pavement, Type II barricades will be placed for no longer than 48 hours. Leveling binder shall be used to ramp the edges of the patches after this time has expired. The cost of the leveling binder used to ramp the edges of the patch shall be considered included in the cost of the **Class D Patches, 5" (Special), Class D Patches, 8" (Special), Class D Patches, 9" (Special), or Class D Patches, 12" (Special)**.

Standards: 442201-03

Disposal of Materials:

All material resulting from the Patching operation shall be disposed of, at the Contractor's expense, outside the limits of the job at locations acceptable to the Engineer. In accordance with Article 107.01 of the "Standard Specifications for Road and Bridge Construction" as amended by Public Act 90-761 and HOU Standard 442201-03. A sample of the required load ticket is included in this contract.

Method of Measurement:

Class D Patches, 5" (Special), Class D Patches, 8" (Special), Class D Patches, 9" (Special), or Class D Patches, 12" (Special) will be measured in place and the area computed in square yards **NO MATTER THE SIZE**. If additional pavement or sub grade is removed due to negligence on the part of the Contractor, the additional quantity of pavement removal and replacement or sub-grade material will not be measured for payment.

Where unsuitable material is encountered in the sub-grade, the removal and replacement shall be performed by the Contractor in accordance with the appropriate Articles of Section 202, 207 and Section 1104. This will be paid for as **Removal and Disposal of Unsuitable Materials and Porous Granular Embankment**.

Basis of Payment:

This work will be paid for at the contract unit price per square yard for **Class D Patches, 5" (Special), Class D Patches, 8" (Special), Class D Patches, 9" (Special), or Class D Patches, 12" (Special)**, which shall be payment in full for all labor and materials necessary to complete the work as specified.

COMBINATION CONCRETE CURB AND GUTTER, (SPECIAL)

Description of Work:

This work shall conform to the appropriate articles of Section 440 and 606 of the Standard Specifications for the removal and replacement of combination concrete curb and gutter.

Sub-Grade Preparation:

After the existing curb and gutter have been removed, the sub-grade shall be brought to the proper grade, to accommodate a 9" thick gutter flag, as approved by the Engineer, by either excavation of additional material or the addition of an approved sub-grade material. Any tree roots or other obstructions shall be removed to a depth of 2" below the proposed sub-grade. Tree roots that need to be removed, as determined by the Engineering Division, shall be removed only after the tree root has been saw-cut at both ends. The preparation of the sub-grade shall be thoroughly compacted by mechanical means. All soft or muddy areas shall be removed and replaced with approved sub grade material. There shall be a minimum of 4" of Sub-Base Granular Material Type B, which shall be included in the cost of Combination Concrete Curb and Gutter, (SPECIAL).

Construction Requirements:

If form boards are to be used for the manual placement of concrete, face boards shall be used to aid the construction of the curb. A mechanical vibrator shall be used to eliminate voids in the concrete adjacent to the face of the gutter. The mechanical vibrator shall conform to Article 1103.17 (a) of the Standard Specifications.

The Contractor will be required to string line the proposed curb elevations so the Engineer can verify that there will be the required thickness for the proposed leveling binder, binder course and surface course and provide positive drainage to the existing structure. If required by the Engineer, the Contractor may need to reset the string line to provide drainage and positive flow to the curb of driveways. This will need to be completed but no additional compensation will be given. This will be considered included in the bid price for **COMBINATION CONCRETE CURB AND GUTTER, (SPECIAL)**.

During the removal of the existing curb and gutter if the contractor over cuts the pavement to remove the existing curb and gutter or if during the removal process the base that is to remain is damaged the contractor shall place concrete full depth in the void that has been created between the saw cut and the proposed **COMBINATION CONCRETE CURB AND GUTTER, (SPECIAL)** face of the flag. The cost for placing this described concrete will be at no additional cost to the contract but shall be included in the cost of placing the proposed **COMBINATION CONCRETE CURB AND GUTTER, (SPECIAL)**.

Curing and Protection:

Curing and protection shall be in accordance with the appropriate Article 1020.13 of the Standard Specifications as amended herein. A WHITE PIGMENTED curing compound shall be applied to the finished surface of the placed concrete once it is set.

Thickness of Gutter Flag:

The thickness of the new gutter flag shall be a minimum of 9 inches, regardless of the thickness of the existing gutter flag.

Contraction Joints. Transverse Contraction joints shall be located every 10 linear feet.

Longitudinal Construction Joints. Longitudinal construction joints will not be doweled

Longitudinal Curb Preformed joints. Longitudinal curb preformed joints are required at concrete driveways.

Transverse Expansion Joints. Transverse expansion joints shall be placed every 60 linear feet.

Basis of Payment:

This work will be paid for at the contract unit price per linear foot for **COMBINATION CONCRETE CURB AND GUTTER, (SPECIAL)**, no matter the type or size of the existing combination concrete curb and gutter, which price shall include payment for furnishing and installing all joints as required and all necessary excavation, tree root grinding or cutting and sub-base material required to complete the work to the lines and grades shown on the plans.

STORM SEWER, RUBBER GASKET, CLASS A, TYPE 4, 12" (SPECIAL)

STORM SEWER, RUBBER GASKET, CLASS A, TYPE 4, 18" (SPECIAL)

STORM SEWER, RUBBER GASKET, CLASS A, TYPE 4, 24" (SPECIAL)

Description of Work:

This work consists of furnishing and installing **Storm Sewer, Rubber Gasket, Class A, Type 4, 12" (SPECIAL)**, **Storm Sewer, Rubber Gasket, Class A, Type 4, 18" (SPECIAL)** or **STORM SEWER, RUBBER GASKET, CLASS A, TYPE 4, 24" (SPECIAL)** concrete storm sewer pipe of the size specified at the locations as shown on the standards, details and exhibits, in accordance with Articles 208, 542 and 1004 of the standard specifications.

Standards: 542301-03, Lake County Standard Grating for Concrete Flared End Sections, Lake County Standard Typical Placement of Precast End Sections on Crossroad Culverts

Materials:

Storm sewer material shall be reinforced concrete culvert pipe, Class IV. The bedding, haunching and initial backfill material shall be CA-7 (Washed). The final backfill prior to the placement of the Class D Patch shall be a minimum of 6" of CA-6 (Crushed).

Construction Methods:

The contractor along with the engineer shall set the invert elevations based on the existing ditch elevations. The contractor shall adhere to the necessary and required traffic control standards that are provided within this document while performing this described work. The contractor will be required to coordinate the schedule of this work with the engineer, residents, and Village of Barrington Hills staff including the Police and Fire Department.

Method of Measurement:

This work shall be measured for at the contract unit price per foot of **Storm Sewer, Rubber Gasket, Class A, Type 4, 12" (SPECIAL)**, **Storm Sewer, Rubber Gasket, Class A, Type 4, 18" (SPECIAL)** or **STORM SEWER, RUBBER GASKET, CLASS A, TYPE 4, 24" (SPECIAL)** the material and size specified, along pipe centerline of pipe for the full length.

Basis of Payment:

This work shall be paid for at the contract unit price per foot for **Storm Sewer, Rubber Gasket, Class A, Type 4, 12" (SPECIAL)**, **Storm Sewer, Rubber Gasket, Class A, Type 4, 18" (SPECIAL)** or

STORM SEWER, RUBBER GASKET, CLASS A, TYPE 4, 24" (SPECIAL), of the material and size specified. The price shall include the cost of all labor, equipment, and materials necessary including the bedding, launching and initial backfill material shall be CA-7. As well as the final backfill prior to the placement of the Class D Patch shall be a minimum of 6" in CA-6 (Crushed) to complete this item.

TEMPORARY DITCH CHECK (SPECIAL)

Description of Work:

This item shall consist of the installation of and removal of this item **Temporary Ditch Check (Special)** which will include all labor, material, and equipment necessary to furnish and install a **Temporary Ditch Check (Special)** as specified or as directed by the engineer in accordance with Section 280 in particular article 280.04 (a). The ditch check should be in the form of **Coconut** or **Cuir Rolls** or approved equal.

Method of Measurement:

This item shall be measured for per each for **Temporary Ditch Check (Special)** installed.

Basis of Payment:

Payment for this item shall be for each **Temporary Ditch Check (Special)** installed and will include materials and labor for both installation as well as the removal of the **Temporary Ditch Check (Special)**.

STONE RIPRAP, Class A3

Description of Work:

This item shall consist of the excavation to a depth of one foot below the finished line and grade of the edge pavement and the ditch profile for the placement of **Stone Riprap, Class A3** which will include all labor, material, and equipment necessary to furnish and place **Stone Riprap, Class A3** as specified or as directed by the engineer in accordance with section 281. **Stone Riprap, Class A3** material shall be approved by the engineer prior to its placement.

Method of Measurement:

This item shall be measured for per ton for **Stone Riprap, Class A3** installed.

Basis of Payment:

Payment for this item shall be for per ton for **Stone Riprap, Class A3** installed and will include materials as well as labor for both excavation and placement of **Stone Riprap, Class A3**.

HOT-MIX ASPHALT SURFACE REMOVAL, 1.0" (SPECIAL)

HOT-MIX ASPHALT SURFACE REMOVAL, 1.5" (SPECIAL)

HOT-MIX ASPHALT SURFACE REMOVAL, 2.5" (SPECIAL)

Description of Work:

This work shall consist of removing existing bituminous materials, concrete or aggregate from the pavement, as shown on the typical section contained herein, in accordance with article 440 of the standard specifications and the removal of all bituminous materials. The HMA Surface Removal shall be milled (removed) to the depth and width as specified, once the engineer has determined and marked the limits of the HMA Surface Removal. **Hot-Mix Asphalt Surface Removal, 1.5" (SPECIAL)**, is designated for the use on Oak Knoll Road, but it may also be utilized on other roads designated by the engineer with no additional cost to the contract for mobilization.

Disposal of Materials:

All material resulting from the Hot Mix Asphalt Surface Removal operations shall be disposed of, at the Contractor's expense, outside the limits of the job at locations acceptable to the Engineer. In accordance with Article 107.01 of the "Standard Specifications for Road and Bridge Construction" as amended by Public Act 90-761.

Construction Requirements:

The contractor shall remove the existing bituminous materials to the limits shown on the plans or as directed by the Engineer. All bituminous materials remaining on gutter flag and/or driveway approaches, not removed by the planning machine, shall be removed at this time by methods approved by the Engineer.

Care shall be taken not to damage drive approaches. Drive approaches damaged by the removal operations that are not scheduled for replacement shall be removed and replaced to the satisfaction of the Engineer, by the Contractor at his expense.

The Contractor shall at the time of the removal / milling operations have equipment on the job capable of removing any debris left behind by the planning machine. Failure to remove debris left by the milling machine to the satisfaction of the Engineer will result in a deduction of \$100 per hour from the bituminous removal item in the contract. The deduction shall start from the onset of the milling operation and continue until appropriate equipment arrives on the jobsite and debris removal begins.

When existing road fabric is encountered and exposed the material shall be cut to a clean edge with a razor knife.

Scheduling:

The contractor shall coordinate the milling and paving operations such that the portion of the street that has been milled will be paved with level binder within 5 days of milling operations. Failure to do so shall result in liquidated damages in the amount of \$1000 per day until the binder course has been placed. Should the contractor fail to pave within the allotted time, and the pavement now requiring additional Class "D" Patching, the contractor shall be responsible for the additional patching. All costs associated with this additional patching shall be incurred by the Contractor.

Method of Measurement:

Hot-Mix Asphalt Surface Removal, 1.0" (SPECIAL), Hot-Mix Asphalt Surface Removal, 1.5" (SPECIAL) or Hot-Mix Asphalt Surface Removal, 2.5" (SPECIAL) will be measured in square yards of the depth specified on the typical sections. This will be paid for only once regardless of the number of passes needed to remove the bituminous materials. Bituminous materials removed from the drive approaches will not be measured for payment.

Basis of Payment:

This work will be paid for at the contract unit price per square yard, of the depth specified, for **Hot-Mix Asphalt Surface Removal, 1.0" (SPECIAL)**, **Hot-Mix Asphalt Surface Removal, 1.5" (SPECIAL)** or **Hot-Mix Asphalt Surface Removal, 2.5" (SPECIAL)**. This will be paid for only once regardless of the number of passes needed to remove the bituminous materials. Bituminous materials removed from the drive approaches will not be measured for payment. Removal of bituminous materials for Butt Joints will **NOT** be paid for separately but will be included in the measured area of this pay item. Cutting and removing existing road fabric exposed during the HMA Surface Removal operation will **NOT** be paid for separately.

TRAFFIC CONTROL AND PROTECTION (Special)

Description of Work.

This work shall be done in accordance with the Section 107 of the Standard Specifications, Recurring Special Provisions, Part IV of Illinois Department of Transportation Reprint of the "Manual on Uniform Traffic Control Devices" published by the Federal Highway Administration, the appropriate articles of Section 1054 of the Standard Specifications and the Standard Specification for Traffic Control Devices adopted May 1, 2009 by the Illinois Department of Transportation. All applicable state standards for traffic control devices, lane closures and traffic control staging shall conform to current IDOT standards at all times.

This item of work shall include the furnishing, installing, maintaining, relocating and removing all traffic control devices used for the purpose of regulating, warning, or directing traffic vehicular and/or pedestrian during the construction or maintenance of this improvement.

The governing factor in the execution and staging of work for this project is to provide the motoring public, residents, visitors and business owners with the safest possible conditions along the roadway and in the construction zone. The Contractor shall so arrange his operations as to keep the closing of any lane of the roadway to a minimum.

All operations which require a reduction in the number of lanes of traffic shall comply with the aforementioned standards including a flagman posted at each end of the lane closure at all times. "Stop" and "Slow" paddles shall be used to control traffic. Flags will NOT be allowed as the sole means of traffic control. Minimum lane widths shall be 10 feet. Single lane roads will not be allowed without flagmen, and under no circumstances will a one lane condition remain overnight. Type II barricades with working steady burn light units shall be used whenever the change in pavement height exceeds 2 inches due to any construction activity and at all butt joints. The Engineer reserves the right to stop any construction activity when traffic control is neglected.

Traffic control devices include signs and their supports (**ALL supports for advance warning signs, such as Road Construction Ahead signs shall be post mounted**), signals, pavement markings, barricades (with sandbags if necessary), channelization devices, warning lights, arrow boards, flaggers, or any other device used for the purpose of guiding traffic through or detouring around the construction zone.

The Contractor will be responsible for the proper location, installation, and arrangement of all traffic control devices. Special attention shall be given to advance warning signs during construction operations

in order to keep lane assignment consistent with barricade placement at all times. The Contractor shall cover or remove all traffic control devices which are inconsistent with detour or lane assignment patterns during the transition from one construction stage to another.

The Contractor shall ensure that all traffic control devices installed by him are operational 24 hours a day, including Sundays and Holidays.

The Contractor shall be reachable on a 24 hour a day basis to receive notification of any deficiencies regarding traffic control and protection and shall dispatch personnel, materials, and equipment to correct any such deficiencies. The Contractor shall respond to any call from the City concerning a request for improving or correcting traffic control devices and begin making the requested repairs within two hours from the time of notification. Any traffic control protection devices found not to be in working order (i.e. lights not working, broken or damaged legs, etc.) shall be replaced within 24 hours of notification of contractor. No additional compensation will be made for replaced traffic control protection devices.

When traveling in lanes open to public traffic, the Contractor's vehicles shall always move with and not against the flow of traffic. These vehicles shall enter and leave work areas in a manner which will not be hazardous to or interfere with traffic and shall not park or stop except within designated work areas. Those vehicles belonging to the Contractor or his employees shall remain on City property only and shall not pull into, park, or block any access to private property.

Any drop off greater than three inches, but less than six inches, within eight feet of the pavement edge shall be protected by Type I or II barricades equipped with mono-directional steady burn lights at 100-foot center to center spacing. If the drop off within eight feet of the pavement edge exceeds six inches, the barricades mentioned above shall be placed at 50-foot center to center spacing. Barricades that must be placed in excavated areas shall have leg extensions installed such that the top of the barricade is in compliance with the height requirement of Standard 701901. Vertical panels or other delineating devices may be substituted for Type I or Type II barricades with the approval of the Engineer. Two-way traffic will be maintained at all times during the prosecution of this work. When lane assignments conflict with existing pavement markings, approved traffic control devices such as signs, cones, barrels, barricades, etc. will be used to delineate traffic lanes. When the available street width is not sufficient to allow for two-lane, two-way traffic, certified flaggers will be required in accordance with the standards included herein.

Standards: 701301-04, 701311-03, 701501-06, 701901-06, 780001-05 and 781001-04

Details: District One Typical Pavement Markings (TC-13)

Method of Measurement:

Traffic Control and Protection (Special) will be measured as a lump sum.

Basis of Payment:

This work will be paid for at the contract lump sum price for **Traffic Control and Protection (Special)**. Delays to the Contractor caused by complying with these requirements will be considered included in the price of the pay item **Traffic Control and Protection (Special)** and no additional compensation will be allowed.

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
INSURANCE

Effective: February 1, 2007
Revised: August 1, 2007

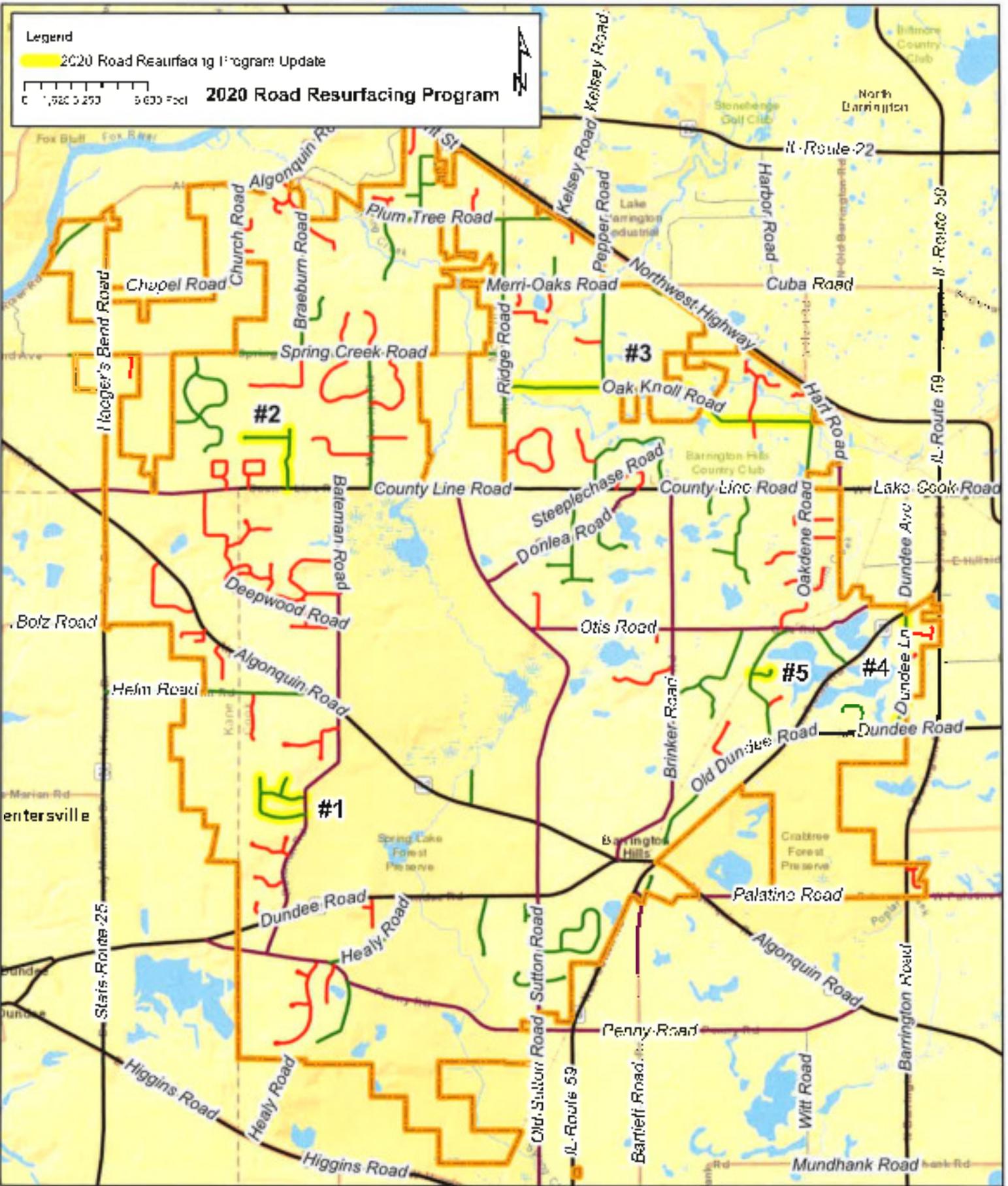
All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27:

Village of Barrington Hills, Illinois

Trotter and Associates, Inc., 40W201 Wasco Road, Ste D, St. Charles, IL 60175

The entities listed above and their officers, employees, and agents shall be indemnified and held harmless in accordance with Article 107.26.



Legend

2020 Road Resurfacing Program Update

0 1,562 3,125 4,687 6,250 Feet

2020 Road Resurfacing Program



401W 201 Waco Road, Suite D St Charles, IL 60175
 P: 618 582 0470 F: 618 582 0474

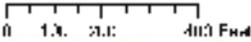
2020 Road Resurfacing Program
Index Sheet
Village of Barrington Hills

Project No.:
Base File:
Sheet File:
Issue Date: January 22, 2020
Scale: 1" = 400'

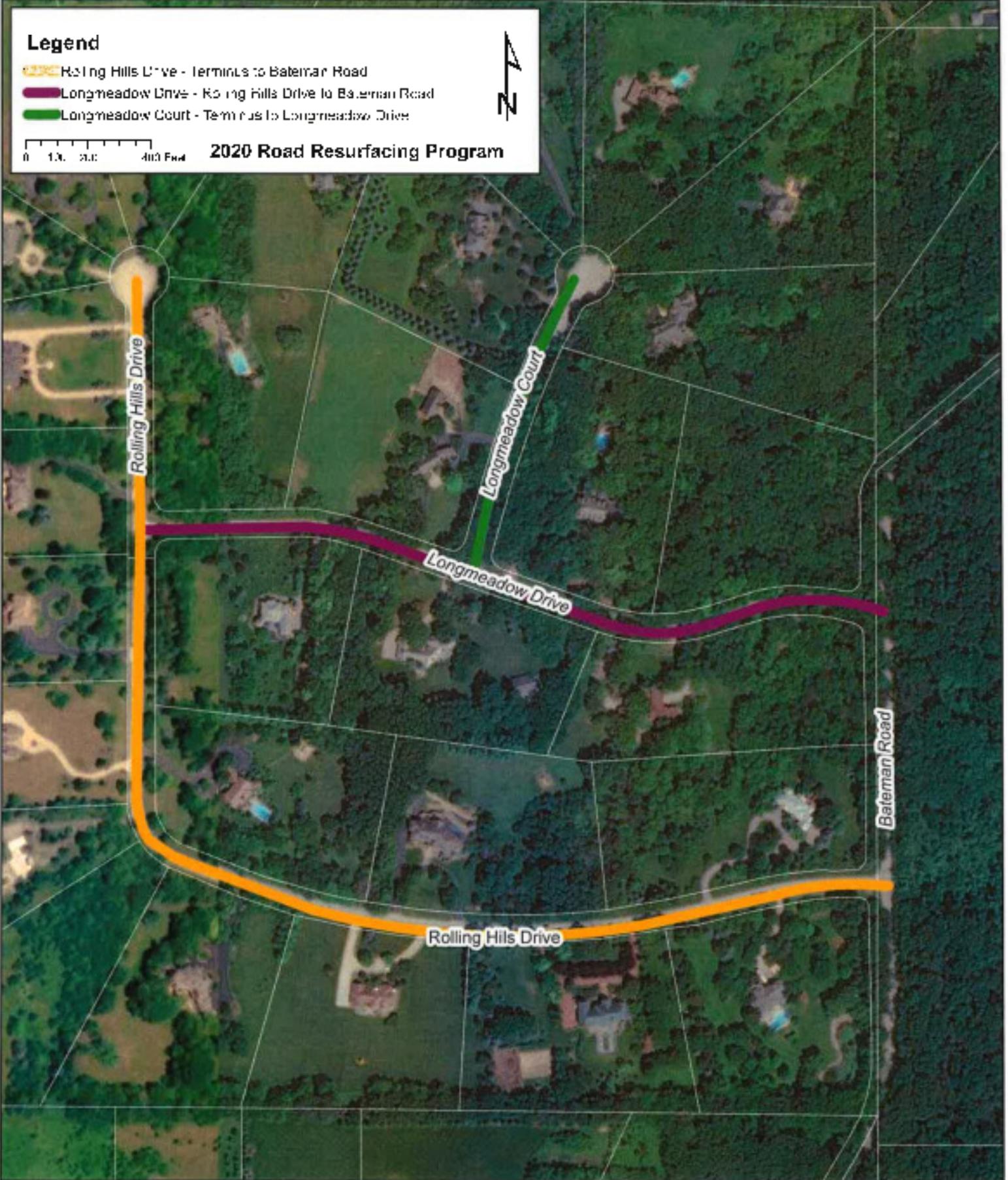
Sheet Number
0

Legend

- Rolling Hills Drive - Terminus to Bateman Road
- Longmeadow Drive - Rolling Hills Drive to Bateman Road
- Longmeadow Court - Terminus to Longmeadow Drive



2020 Road Resurfacing Program



40W201 Waven Road, Suite D-51 Charles, IL 60175
P: 630-587-0470 F: 630-587-0475

2020 Road Resurfacing Program
Rolling Hills Drive, Longmeadow
Drive & Longmeadow Court
Village of Barrington Hills

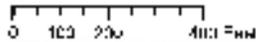
Project No.:
Base File:
Sheet File:
Issue Date: January 22, 2020
Scale: 1" = 400'

Sheet
Number

1

Legend

-  Culvert for 2020 Road Resurfacing
-  Country Oaks Drive - Terminus to W. County Line Road
-  Country Oaks Lane - Terminus to Country Oaks Drive



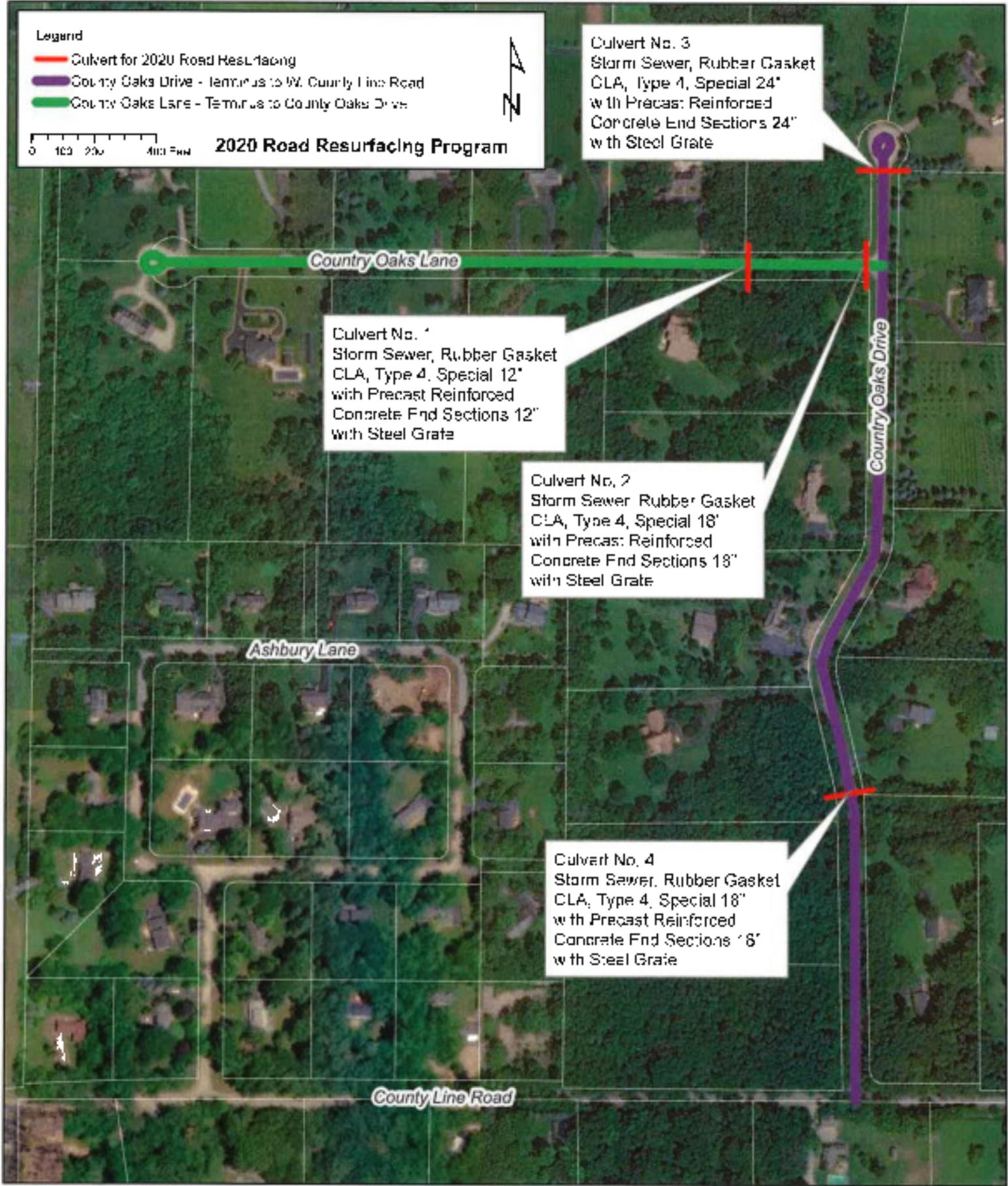
2020 Road Resurfacing Program

Culvert No. 3
Storm Sewer, Rubber Gasket
CLA, Type 4, Special 24"
with Precast Reinforced
Concrete End Sections 24"
with Steel Grate

Culvert No. 1
Storm Sewer, Rubber Gasket
CLA, Type 4, Special 12"
with Precast Reinforced
Concrete End Sections 12"
with Steel Grate

Culvert No. 2
Storm Sewer, Rubber Gasket
CLA, Type 4, Special 18"
with Precast Reinforced
Concrete End Sections 18"
with Steel Grate

Culvert No. 4
Storm Sewer, Rubber Gasket
CLA, Type 4, Special 18"
with Precast Reinforced
Concrete End Sections 18"
with Steel Grate



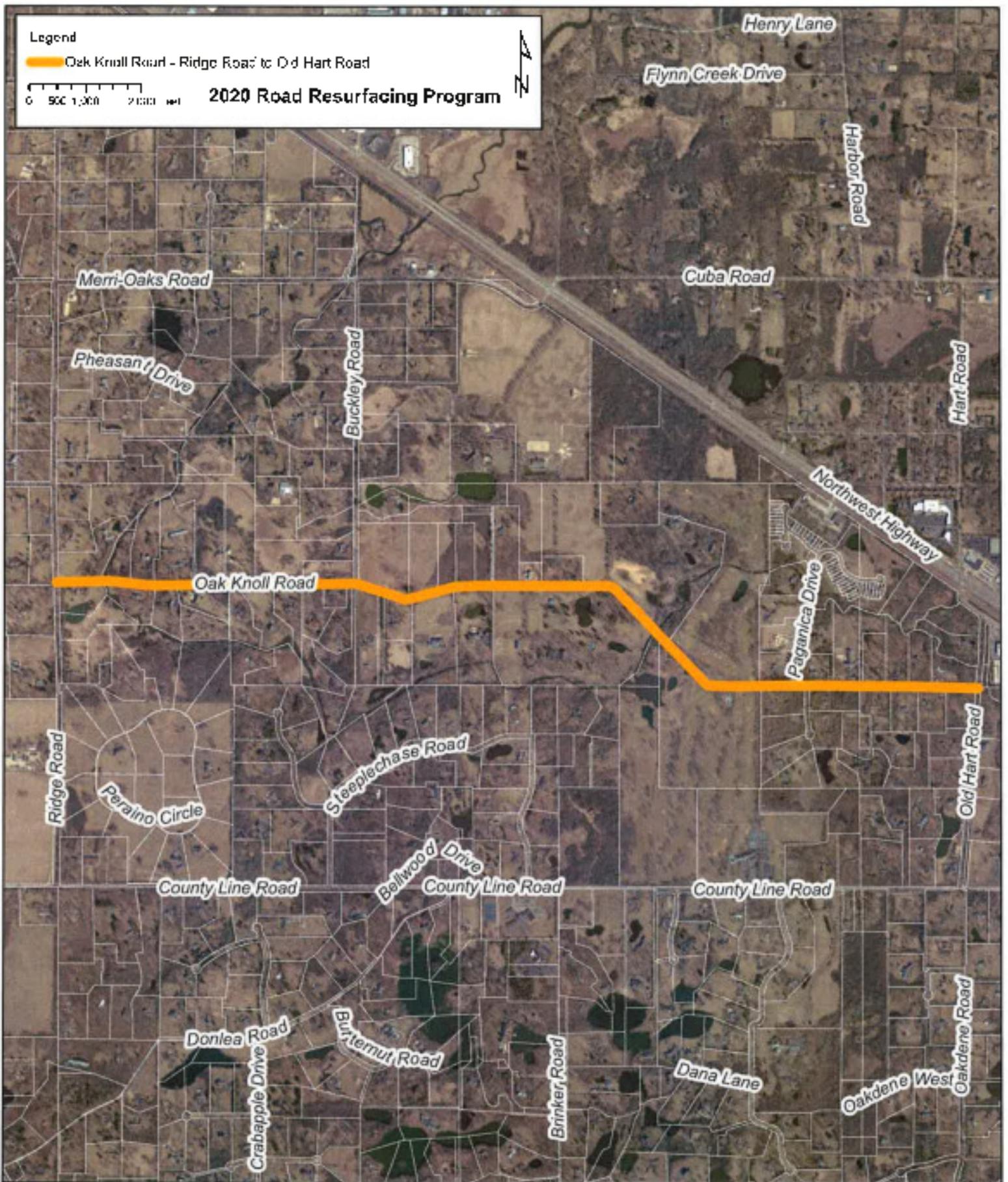
40W201 Wasco Road, Suite D St. Charles, IL 60178
P: 630-587-0470 F: 630-587-0475

2020 Road Resurfacing Program
Country Oaks Dr. & Country Oaks Ln.
Village of Barrington Hills

Project No.:
Base File:
Sheet File:
Issue Date: January 22, 2020
Scale: 1" = 400'

Sheet
Number

2



4048201 Wren Road, Suite D St Charles, IL 60175
 P: 634-887-0470 F: 630-587-0475

2020 Road Resurfacing Program

**Oak Knoll Road
 Village of Barrington Hills**

Project No.:

Base File:

Sheet File:

Issue Date: January 21, 2020

Scale: 1" = 2,000'

Sheet
 Number

3



Legend

Dundee Lane - IL Route 58 to IL Route 55

0 100 200 300 400 500 600 700 Feet

2020 Road Resurfacing Program



400 W 201 Warren Road, Suite D St Charles, IL 60175
 P: 630-587-0120 F: 630-587-0125

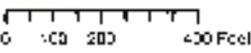
2020 Road Resurfacing Program
Dundee Lane
Village of Barrington Hills

Project No.:
Base File:
Sheet File:
Issue Date: January 23, 2020
Scale: 1" = 750'

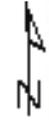
Sheet Number
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Legend

Round Barn Road - Tarninta to Hawley Woods Road



2020 Road Resurfacing Program

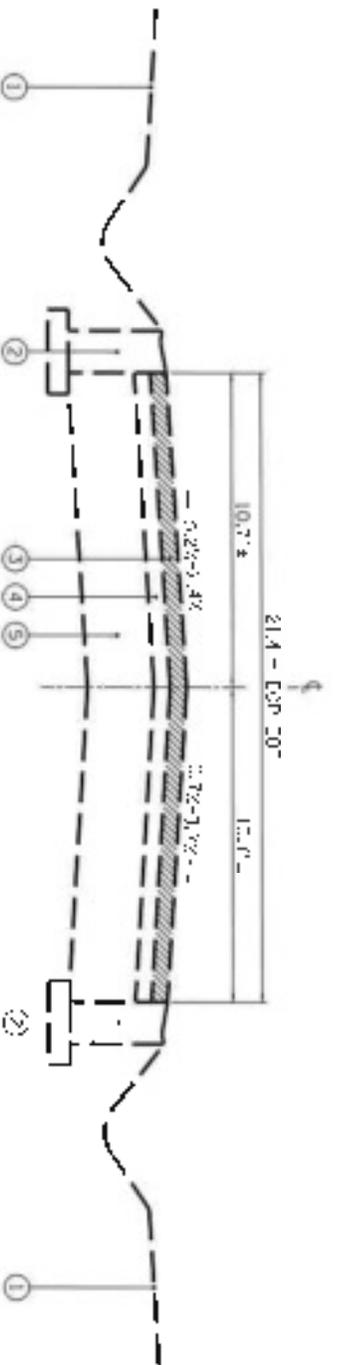


404201 Wasen Road, Suite D St Charles, IL 60175
P: 630-587-0170 F: 630-587-0175

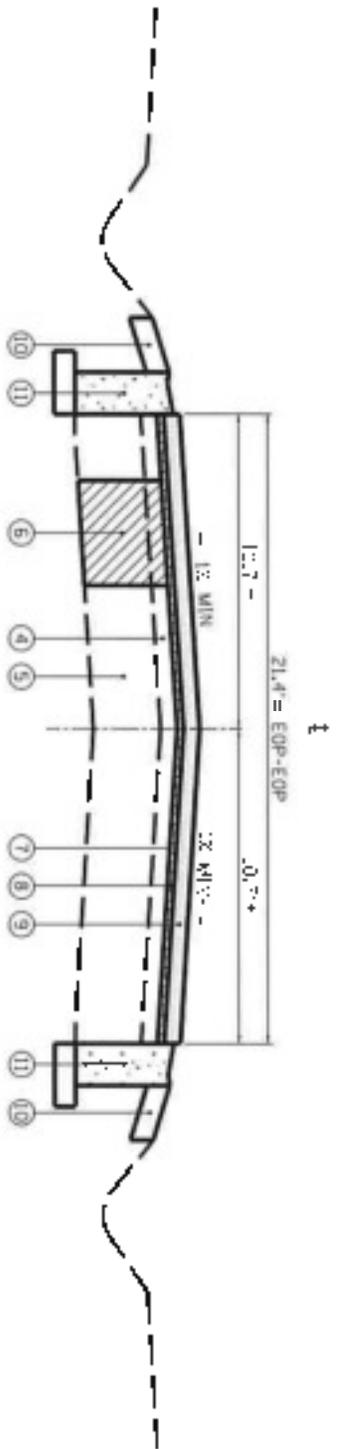
2020 Road Resurfacing Program
Round Barn Road
Village of Barrington Hills

Project No.:
Base File:
Sheet File:
Issue Date: January 22, 2020
Scale: 1" = 400'

Sheet Number
5



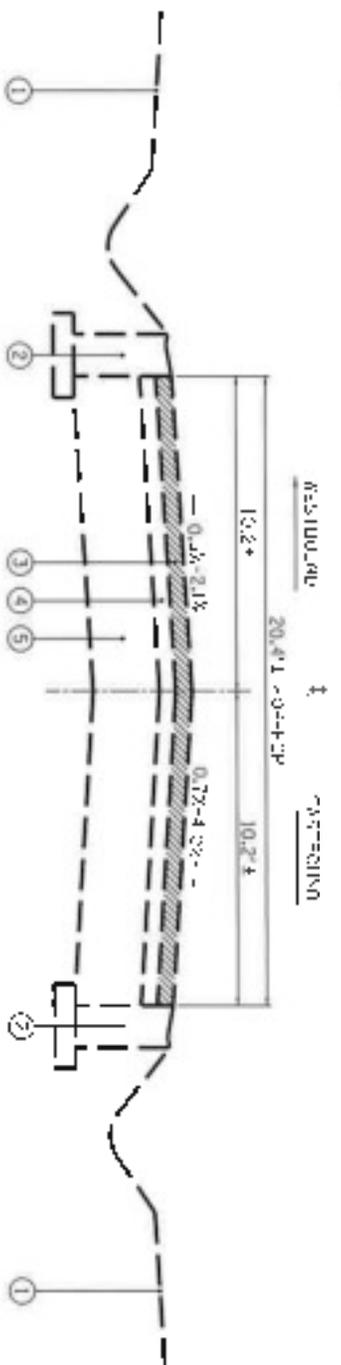
Existing Typical Section
 Rolling Hills Drive
 Terminus to Balceman Road



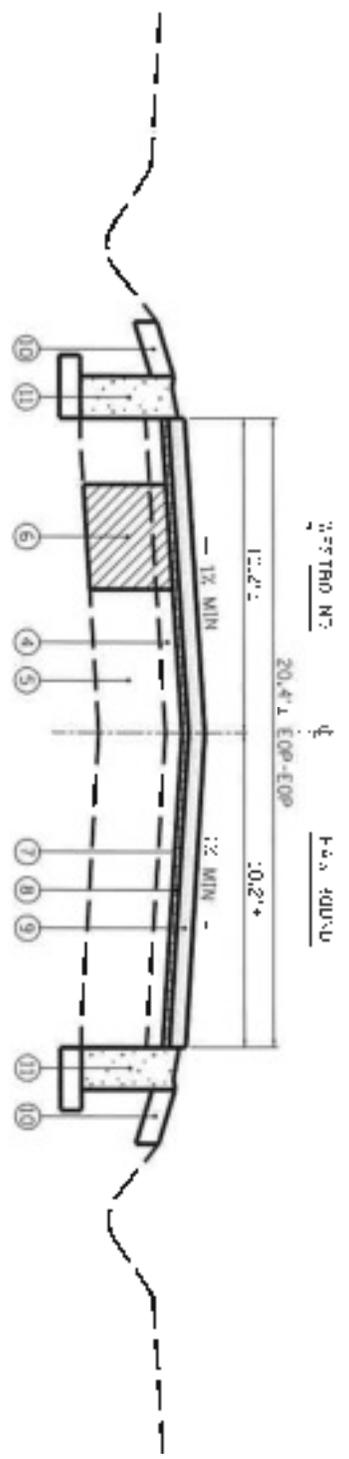
Proposed Typical Section
 Rolling Hills Drive
 Terminus to Balceman Road

NET LENGTH = 3,036 LF
 AREA ESTIMATED FOR DESIGN QUANTITIES = 8,321 SY

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> ① EXISTING GROUND ② FILLING IN CURB AND GULLY ③ HOT-MIX ASPHALT SURFACE ④ HOT-MIX ASPHALT SURFACE ⑤ FILLING IN CURB AND GULLY | <ul style="list-style-type: none"> ⑥ CLASS 5 PARTICLES, 6" SPEC. 1 ⑦ PREPARED MIXTURES ⑧ PREPARED MIXTURES ⑨ PREPARED MIXTURES ⑩ CONCRETE | <ul style="list-style-type: none"> ⑪ SPECIAL ⑫ SPECIAL ⑬ SPECIAL ⑭ SPECIAL ⑮ SPECIAL |
|---|--|---|



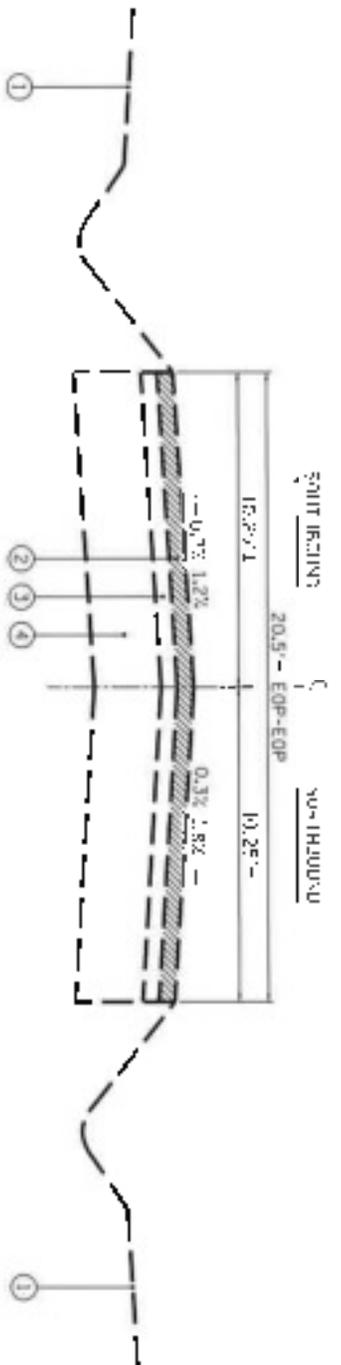
Existing Typical Section
 Longmeadow Drive
 Rolling Hills Drive to Balcraman Road



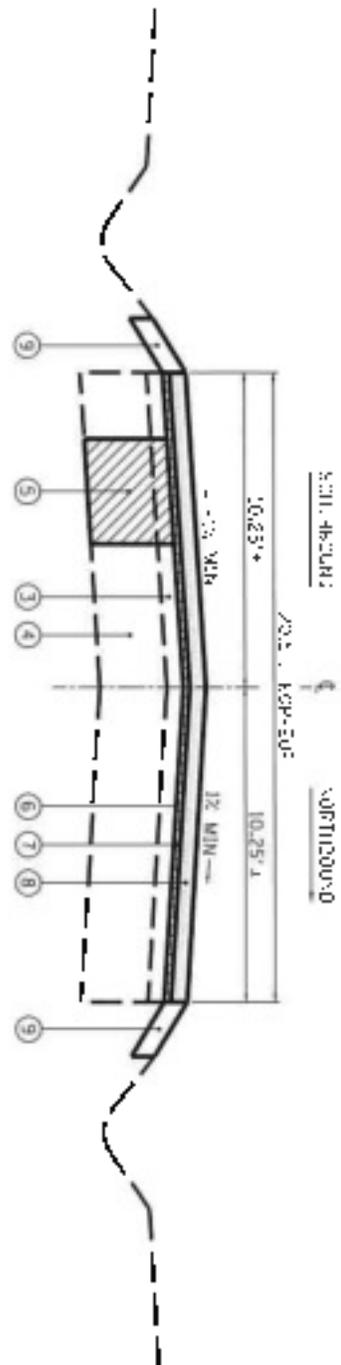
Proposed Typical Section
 Longmeadow Drive
 Rolling Hills Drive to Balcraman Road

NET LENGTH = 1,800 LF
 AREA ESTIMATED FOR DESIGN QUANTITIES = 4,138 SY

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> ① EXISTING GROUND ② EXISTING CURB AND GUTTER ③ HOT-MIX ASPHALT SURFACE REMOVAL SPECIAL (TOLL DEPTH, 2.5") ④ EXISTING HOT-MIX ASPHALT (SEE CDP-1100PTS) ⑤ 1.25" HOT-MIX ASPHALT (SEE CDP-1100PTS) | <ul style="list-style-type: none"> ⑥ CLASS 2 PAVEMENT, 11" (SPEC. 1) ⑦ PROPPOSED HOT-MIX ASPHALT (1.25" TOP MILLEIMETER) 1.25" (SEE CDP-1100PTS) FOR ASPHALT BASES ⑧ 1.25" HOT-MIX ASPHALT (1.25" TOP MILLEIMETER) 1.25" (SEE CDP-1100PTS) FOR ASPHALT BASES ⑨ 1.25" HOT-MIX ASPHALT (1.25" TOP MILLEIMETER) 1.25" (SEE CDP-1100PTS) FOR ASPHALT BASES ⑩ CONSTRUCTION COVERING CURB AND GUTTER SPECIAL | <ul style="list-style-type: none"> ⑪ CONCRETE CURB AND GUTTER SPECIAL (SEE CDP-1100PTS) |
|--|---|--|



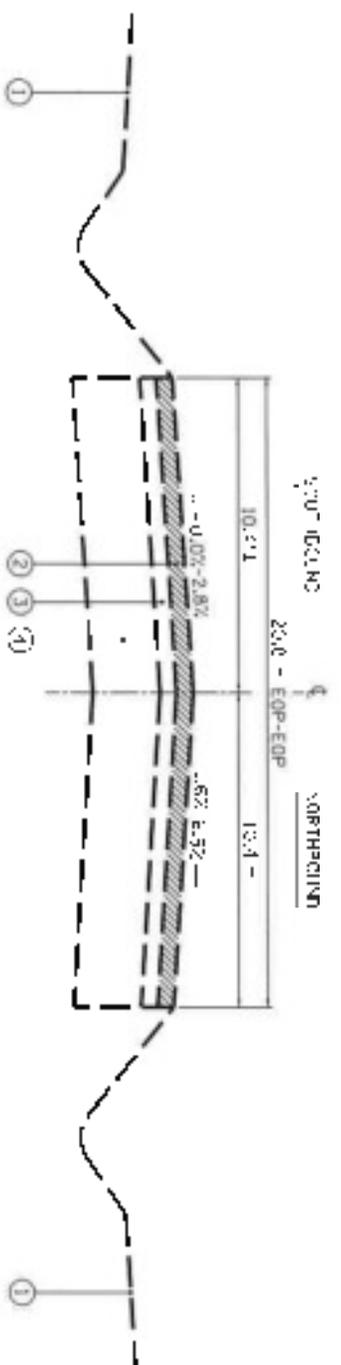
Existing Typical Section
Longmeadow Drive to Terminus



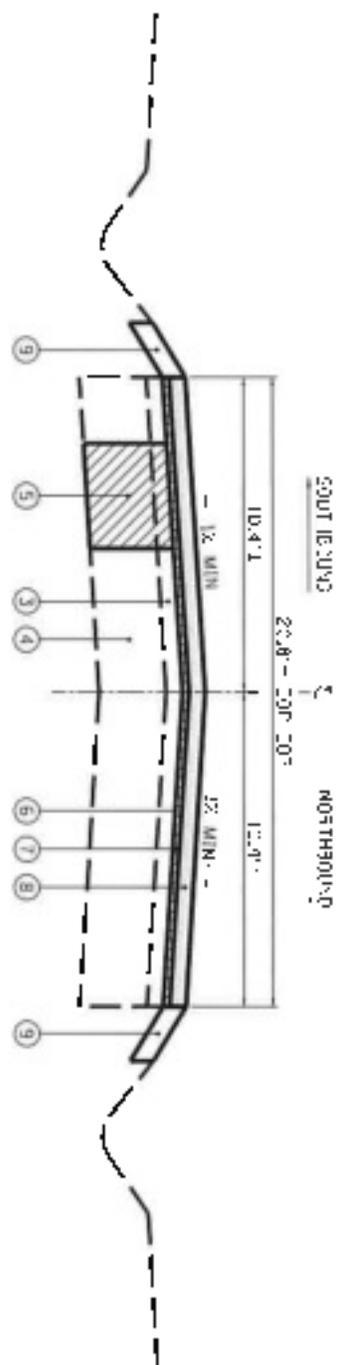
Proposed Typical Section
Longmeadow Drive to Terminus

NET LENGTH = 662 LF
AREA ESTIMATED FOR DESIGN QUANTITIES = 2526 SY

- ① EXISTING GRADE
- ② HOT-MIX ASPHALT SURFACE COURSE
- ③ EXISTING CURB
- ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE
- ⑤ CLASS 1 PAVEMENT SPECIALTY
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE COURSE
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE
- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE COURSE
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE COURSE



Existing Typical Section
Country Oaks Drive
W. County Line Road to Terrinicus

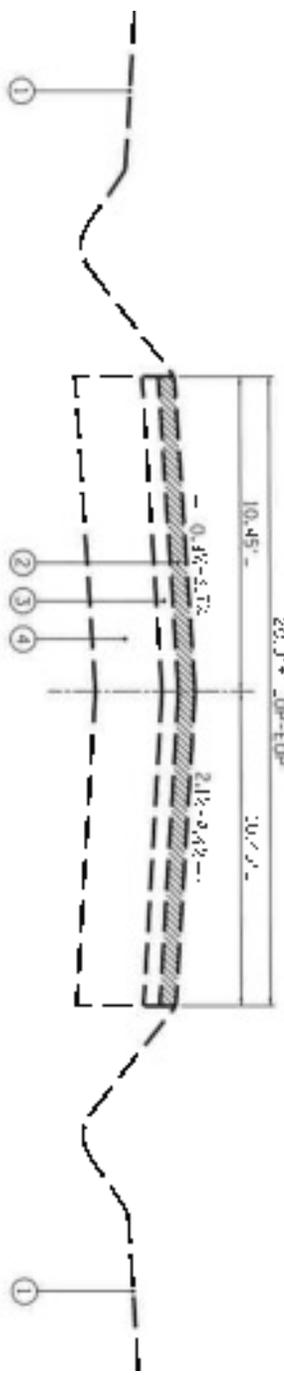


Proposed Typical Section
Country Oaks Drive
W. County Line Road to Terrinicus

NET LENGTH = 2,218 LF
AREA ESTIMATED FOR DESIGN QUANTITIES = 5,893 SY

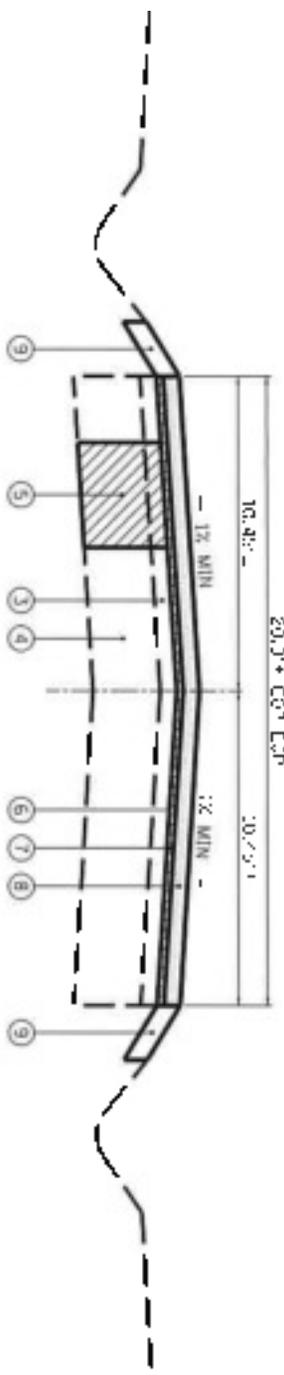
- ① EXISTING GROUND
- ② HOT MIX ASPHALT SURFACE COURSE
- ③ SPECIAL FULL DEPTH PATCH
- ④ EXISTING PORTLAND ASPHALT
- ⑤ EXISTING BASE COURSE
- ⑥ EXISTING CORE TOP COURSE
- ⑦ CLASS B PARTICLES 5% GRAVEL
- ⑧ PROPOSED HOT MIX ASPHALT SURFACE COURSE MIX 10% VSS, 2%
- ⑨ PROPOSED BITUMINOUS MATTRESS
- ⑩ TACK - 0.05 LB/SY FOR KILLED HAAR/CONCRETE
- ⑪ TACK - 0.05 LB/SY FOR HAAR
- ⑫ TACK - 0.05 LB/SY FOR ADDED TACK BASES
- ⑬ PROPOSED HOT MIX 2 1/2" MAX. SIZE
- ⑭ TACK - 4" HDN, MIN

EXISTING 10.45' | FASTENING 20.0' + TOP-EDGE 30.75'



Existing Typical Section
Country Oaks Lane
Terminus to Country Oaks Drive

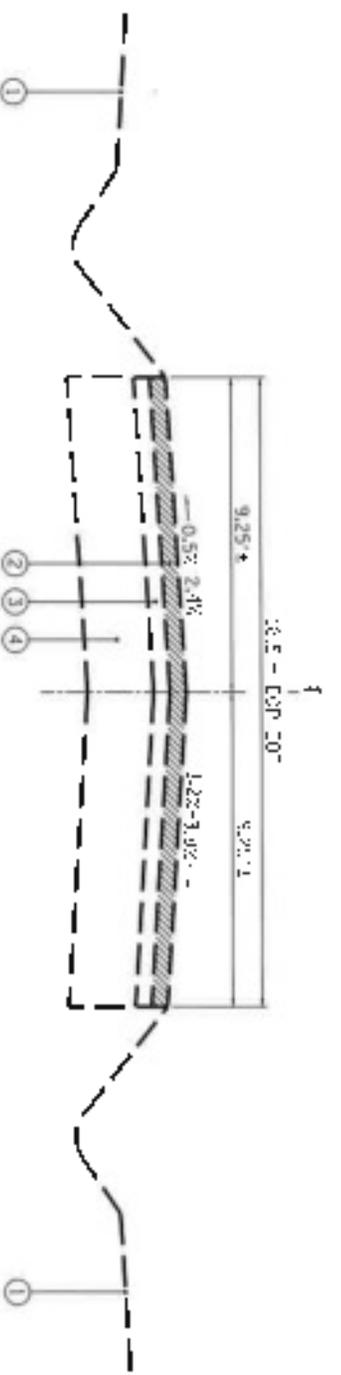
EXISTING 10.45' | 1 | CAST-CONC 20.0' + TOP-EDGE 30.75'



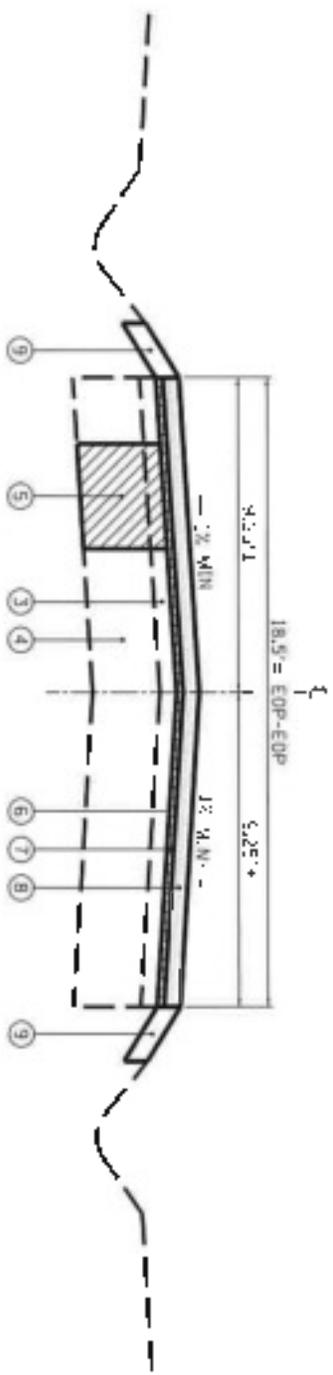
Proposed Typical Section
Country Oaks Lane
Terminus to Country Oaks Drive

NET LENGTH = 1,650 LF
AREA ESTIMATED FOR DESIGN QUANTITIES = 4,611 SY

- ① FASIS RE-CURB
- ② HOT-MIX ASPHALT SURFACE COURSE SPECIAL 10-T LBS/100³
- ③ EXISTING 0.45' CONCRETE CURB
- ④ FASIS RE-CURB
- ⑤ CLASS 1 PARTICLES 1" SPECIAL
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE COURSE MIX OF 1 REINFORCING
- ⑦ PROPOSED BITUMINOUS WATERPROOFING
- ⑧ PROPOSED 12" 4X 45' TYPICAL LEVelling BRIDGE 3"
- ⑨ SPECIAL FINISH AND PAINT



Existing Typical Section
 Round Barru Road
 Terminus to Hawley Woods Road

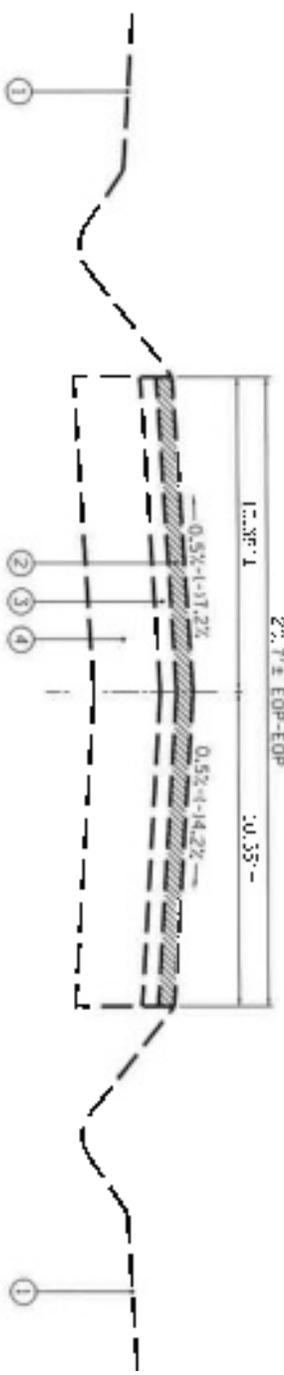


Proposed Typical Section
 Round Barru Road
 Terminus to Hawley Woods Road

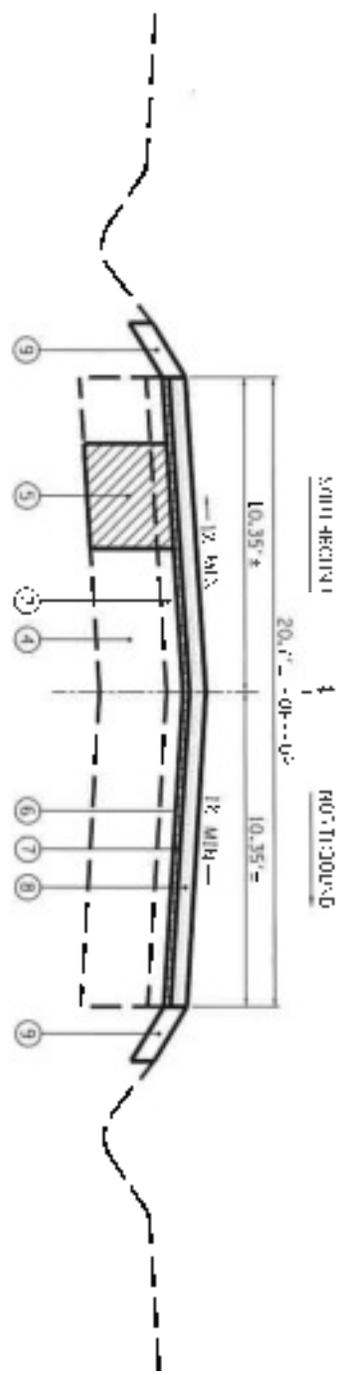
NET LENGTH = 760 LF
 AREA ESTIMATED FOR DESIGN QUANTITIES = 2,102 SY

- ① EXISTING CONC. PAV.
- ② HD-3X X ASPHALT SURFACE - 4" THICK
 TECH. SPEC. SE-14.1000
- ③ EXISTING 401-MIX ASP-41
 PDC 50:50 REPORT 51
- ④ EXISTING BASE COURSE
 PDC 50:50 REPORT 51
- ⑤ CONC. 14" X 21" CH-S, 9" SPACING
- ⑥ PROPOSED SITUATIONS: 401-MIX ASP-41
 1.2% SLOPE FOR KILL FIL APPLICATION
 1.2% SLOPE FOR HAWLEY WOODS
 1.2% SLOPE FOR ADDRESSABLE SACS
- ⑦ PROPOSED 401-MIX ASP-41 LEVELING ENDOUR, 3/4" SPACING WITHIN 12'
- ⑧ CONC. 14" X 21" CH-S, 9" SPACING
- ⑨ TOPSOIL PURCHASE AND PLACE
 VARIOUS DEPT. L. CYCLES: 2" MIN. MAX. 100'

SOUTHBOUND 11.00 AC



Existing Typical Section
Dundee Lane
IL Route 68 to IL Rte 59

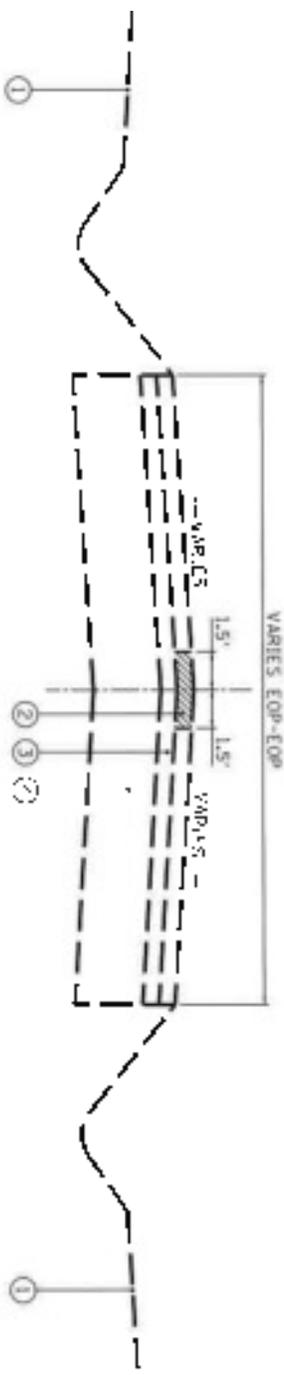


Proposed Typical Section
Dundee Lane
IL Route 68 to IL Rte 59

NET LENGTH = 4.717 LF
AREA ESTIMATED FOR DESIGN QUANTITIES = 11,045 SY

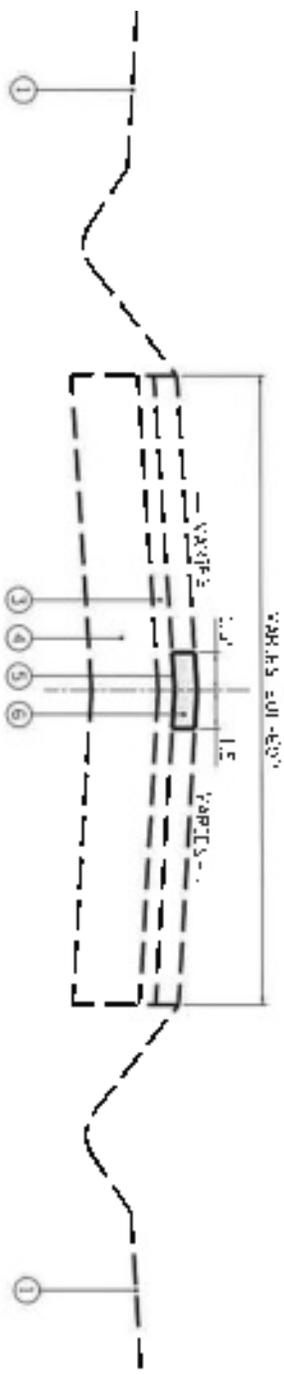
- ① EXISTING GRADE
- ② 1.5" CONC. EXISTING SURFACE COURSE
- ③ 1.5" CONC. PROPOSED SURFACE COURSE
- ④ EXISTING HOT MIX ASP. AT 0.5%
- ⑤ 4.22" 0.5% ASP. EXISTING
- ⑥ 14.22" 0.5% ASP. EXISTING
- ⑦ EXISTING BASE COURSE
- ⑧ 1.5" 0.5% ASP. PROPOSED
- ⑨ 14.22" 0.5% ASP. PROPOSED

PLAN VIEW
 VARIES EOP-EOP
 EASTBOUND



Existing Typical Section
 Oak Knoll Road
 Ridge Road to Old Hart Road

WESTBOUND
 VARIES EOP-EOP
 EASTBOUND



Proposed Typical Section
 Oak Knoll Road
 Ridge Road to Old Hart Road

NET LENGTH = 12,702 LF
 AREA ESTIMATED FOR DESIGN QUANTITIES = 4,234 SY

- ① -EXISTING GROUND
- ② -HOT MIX ASPHALT SURFACE PROPOSED
- ③ -EXISTING HOT-MIX ASPHALT
- ④ -EXISTING CURB CONCRETE
- ⑤ -PROPOSED BITUMINOUS MATERIALS
- ⑥ -PROPOSED HOT-MIX ASPHALT

STANDARD DETAILS

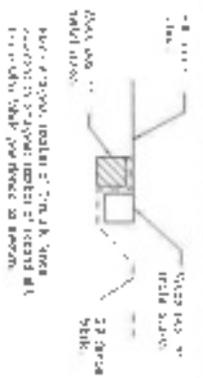
DOT Highway Standard 280001-07
DOT Highway Standard 42201-03
DOT Highway Standard 542301-03
DOT Highway Standard 701301-04
DOT Highway Standard 701501-06
DOT Highway Standard 701901-08
DOT Highway Standard 780001-05

District One Bull Joint and TMA Taper (TC-10)

District One Typical Pavement Markings (IC-13)

Lake County Standard Grading for Concrete Flared End Sections

Lake County Standard Typical Placement of Precast End Sections on Crossroad Culverts

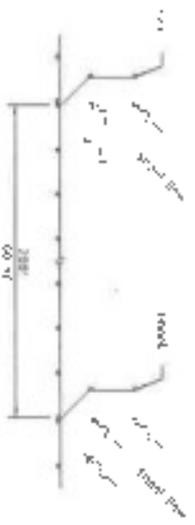


STEP 1

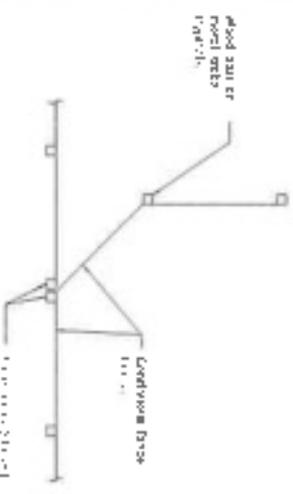


STEP 2

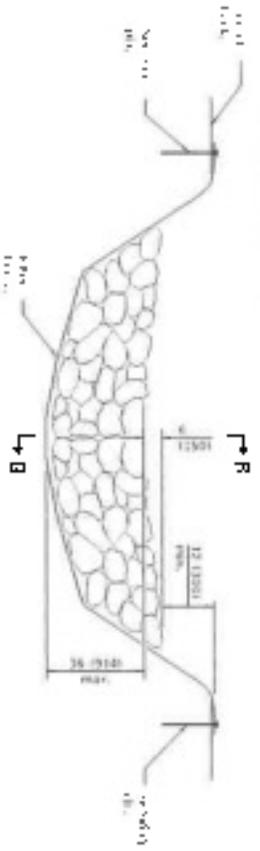
ATTACHING TWO SILT FILTER FENCES



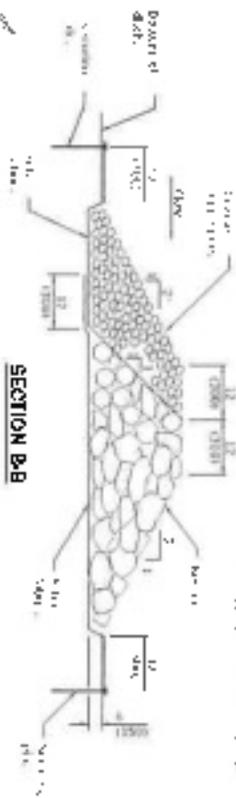
SILT FILTER HOOK PLACEMENT



HOOK

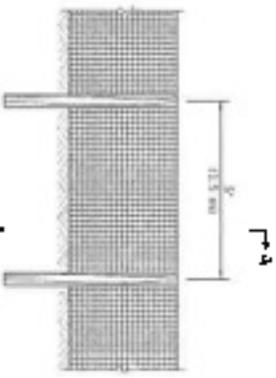


ELEVATION



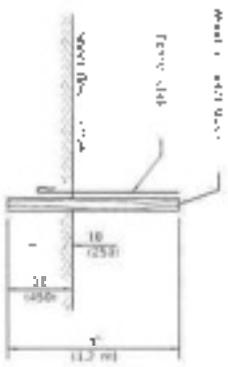
SECTION B-B

AGGREGATE DITCH CHECK

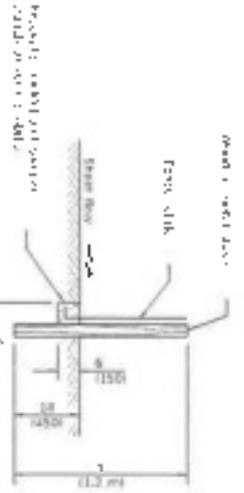


ELEVATION

SILT FILTER FENCE AS A PERIMETER EROSION BARRIER



SLICE METHOD



SECTION A-A

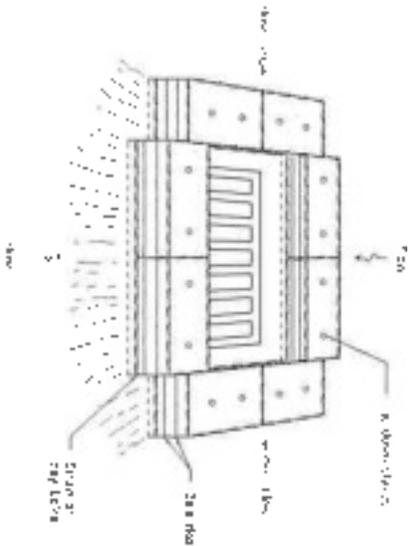
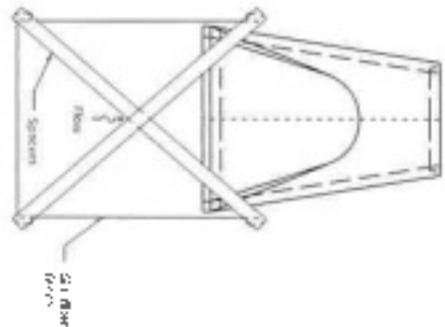
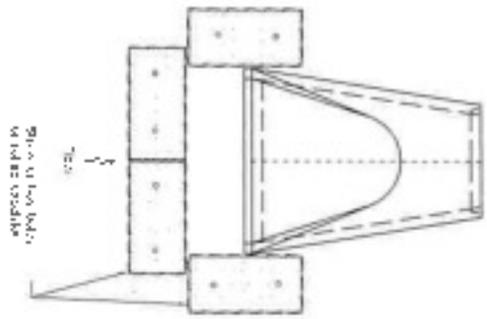
TRENCH METHOD

GENERAL NOTES

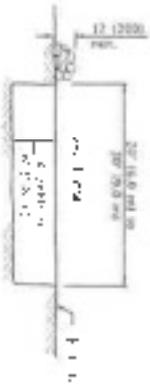
The radii of curb and gutter are standard. All dimensions are in feet and inches. All dimensions are to be maintained. All dimensions are to be maintained. All dimensions are to be maintained.

DATE	REVISIONS
10/01/07	Initial design and construction
11/02/07	Revised design and construction
12/03/07	Final design and construction

STANDARD 280001-07

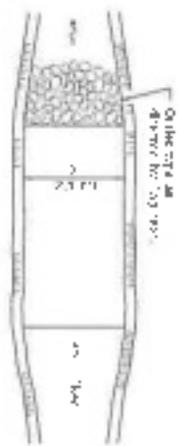


PIPE AND PIPE PROTECTION



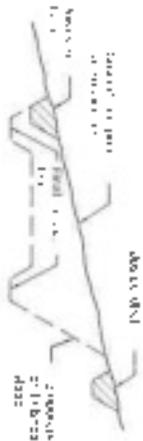
The bell end of the pipe shall be protected in the same manner as the pipe end.

ELEVATION



The bell end of the pipe shall be protected in the same manner as the pipe end.

PLAN



TYPICAL CUT CROSS-SECTION



TYPICAL FILL CROSS-SECTION

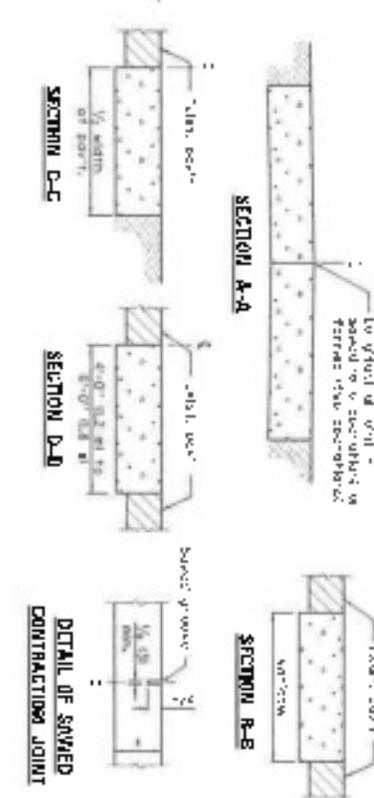
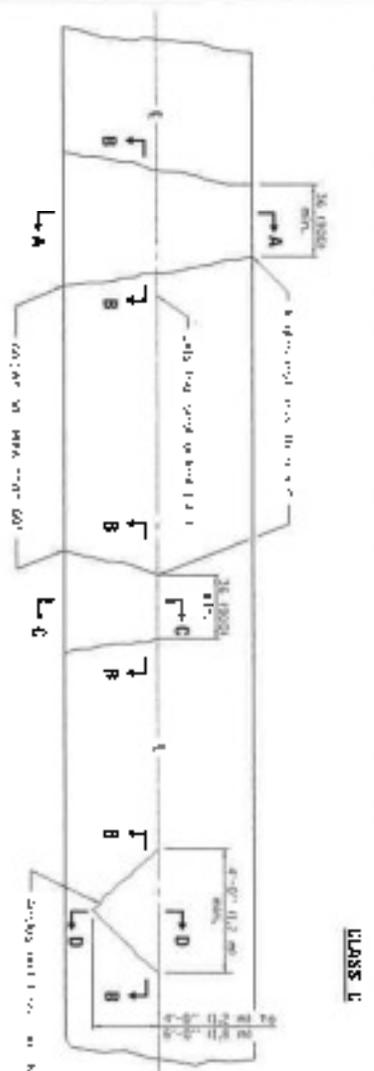
TEMPORARY DITCHES FOR CUT & FILL SECTIONS

SEDIMENT BASIN

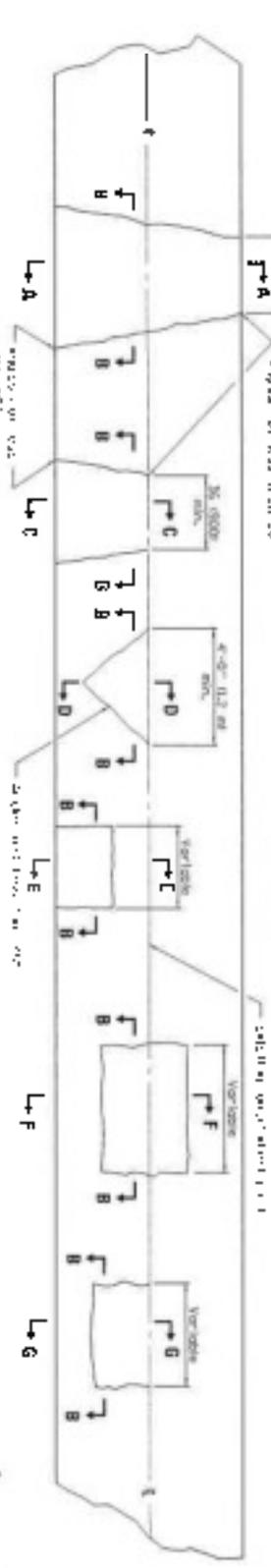
1. List systems of Temporary	1
2. List systems of Temporary	2
3. List systems of Temporary	3
4. List systems of Temporary	4

TEMPORARY EROSION CONTROL SYSTEMS

STANDARD 280001-01



CLASS L



SECTION A-A
Detail of Sawed Joint

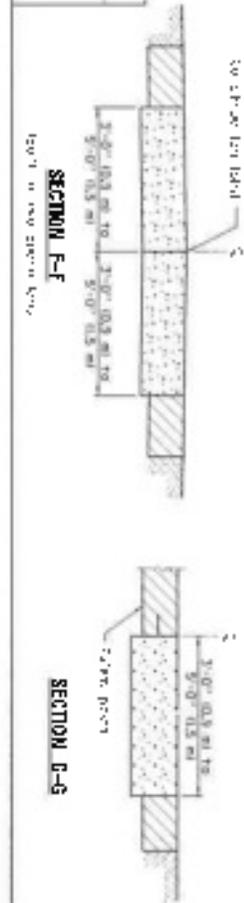
SECTION B-B

SECTION C-C

SECTION D-D

SECTION E-E

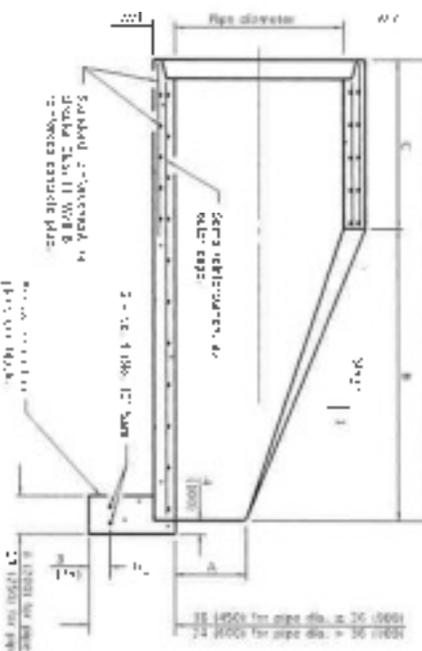
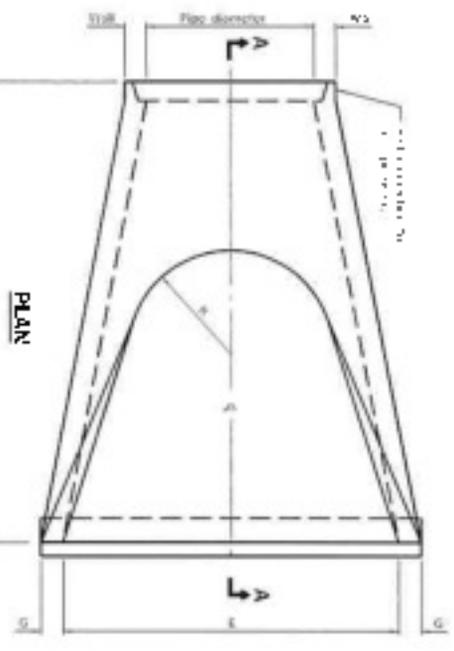
PROJECT	STANDARD
DATE	REVISED
DESIGNED BY	CHECKED BY
DRAWN BY	APPROVED BY



DATE	REVISIONS

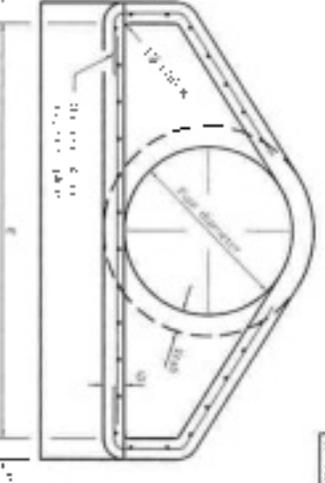
CLASS C and D PATCHES
STANDARD 402201-03

GENERAL NOTES
1. Refer to the notes on the drawings.
2. All dimensions are in inches unless otherwise noted.
3. All dimensions are to be finished unless otherwise shown.



SECTION A-A

END VIEW



* See all dimensions by manufacturer

PRECAST Pipe Size	Overall Height	Overall Width	Flare Angle	Overall Width at Top	Overall Width at Bottom	Overall Width at Top to Bottom						
12"	12"	12"	0°	12"	12"	0"	0"	0"	0"	0"	0"	0"
14"	14"	14"	0°	14"	14"	0"	0"	0"	0"	0"	0"	0"
16"	16"	16"	0°	16"	16"	0"	0"	0"	0"	0"	0"	0"
18"	18"	18"	0°	18"	18"	0"	0"	0"	0"	0"	0"	0"
20"	20"	20"	0°	20"	20"	0"	0"	0"	0"	0"	0"	0"
22"	22"	22"	0°	22"	22"	0"	0"	0"	0"	0"	0"	0"
24"	24"	24"	0°	24"	24"	0"	0"	0"	0"	0"	0"	0"
26"	26"	26"	0°	26"	26"	0"	0"	0"	0"	0"	0"	0"
28"	28"	28"	0°	28"	28"	0"	0"	0"	0"	0"	0"	0"
30"	30"	30"	0°	30"	30"	0"	0"	0"	0"	0"	0"	0"
32"	32"	32"	0°	32"	32"	0"	0"	0"	0"	0"	0"	0"
34"	34"	34"	0°	34"	34"	0"	0"	0"	0"	0"	0"	0"
36"	36"	36"	0°	36"	36"	0"	0"	0"	0"	0"	0"	0"
38"	38"	38"	0°	38"	38"	0"	0"	0"	0"	0"	0"	0"
40"	40"	40"	0°	40"	40"	0"	0"	0"	0"	0"	0"	0"
42"	42"	42"	0°	42"	42"	0"	0"	0"	0"	0"	0"	0"
44"	44"	44"	0°	44"	44"	0"	0"	0"	0"	0"	0"	0"
46"	46"	46"	0°	46"	46"	0"	0"	0"	0"	0"	0"	0"
48"	48"	48"	0°	48"	48"	0"	0"	0"	0"	0"	0"	0"
50"	50"	50"	0°	50"	50"	0"	0"	0"	0"	0"	0"	0"
52"	52"	52"	0°	52"	52"	0"	0"	0"	0"	0"	0"	0"
54"	54"	54"	0°	54"	54"	0"	0"	0"	0"	0"	0"	0"
56"	56"	56"	0°	56"	56"	0"	0"	0"	0"	0"	0"	0"
58"	58"	58"	0°	58"	58"	0"	0"	0"	0"	0"	0"	0"
60"	60"	60"	0°	60"	60"	0"	0"	0"	0"	0"	0"	0"
62"	62"	62"	0°	62"	62"	0"	0"	0"	0"	0"	0"	0"
64"	64"	64"	0°	64"	64"	0"	0"	0"	0"	0"	0"	0"
66"	66"	66"	0°	66"	66"	0"	0"	0"	0"	0"	0"	0"
68"	68"	68"	0°	68"	68"	0"	0"	0"	0"	0"	0"	0"
70"	70"	70"	0°	70"	70"	0"	0"	0"	0"	0"	0"	0"
72"	72"	72"	0°	72"	72"	0"	0"	0"	0"	0"	0"	0"
74"	74"	74"	0°	74"	74"	0"	0"	0"	0"	0"	0"	0"
76"	76"	76"	0°	76"	76"	0"	0"	0"	0"	0"	0"	0"
78"	78"	78"	0°	78"	78"	0"	0"	0"	0"	0"	0"	0"
80"	80"	80"	0°	80"	80"	0"	0"	0"	0"	0"	0"	0"
82"	82"	82"	0°	82"	82"	0"	0"	0"	0"	0"	0"	0"
84"	84"	84"	0°	84"	84"	0"	0"	0"	0"	0"	0"	0"
86"	86"	86"	0°	86"	86"	0"	0"	0"	0"	0"	0"	0"
88"	88"	88"	0°	88"	88"	0"	0"	0"	0"	0"	0"	0"
90"	90"	90"	0°	90"	90"	0"	0"	0"	0"	0"	0"	0"
92"	92"	92"	0°	92"	92"	0"	0"	0"	0"	0"	0"	0"
94"	94"	94"	0°	94"	94"	0"	0"	0"	0"	0"	0"	0"
96"	96"	96"	0°	96"	96"	0"	0"	0"	0"	0"	0"	0"
98"	98"	98"	0°	98"	98"	0"	0"	0"	0"	0"	0"	0"
100"	100"	100"	0°	100"	100"	0"	0"	0"	0"	0"	0"	0"

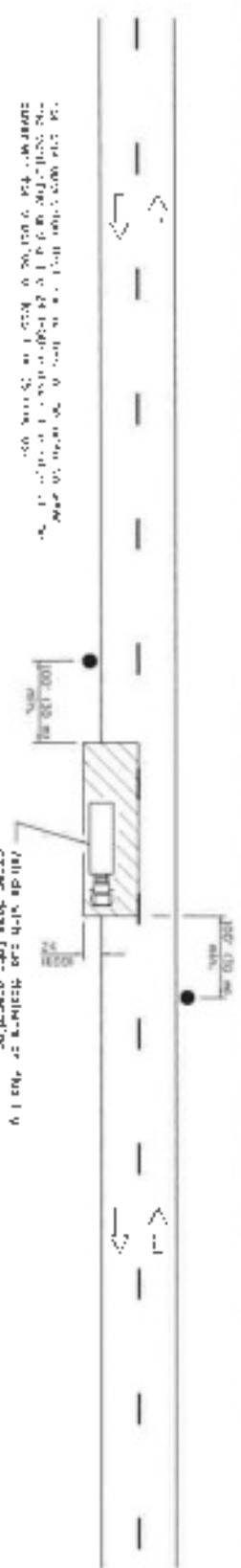
1975 October, 2" x 11"
North American
 Standard
 1975

USE: **REINFORCING**
 SCALE: **1" = 1'-0"**
 DRAWN: **1975**
 CHECKED: **1975**
 CREDIT: **1975**

**PRECAST REINFORCED
 CONCRETE FLARED
 END SECTION**

STANDARD 642301-03

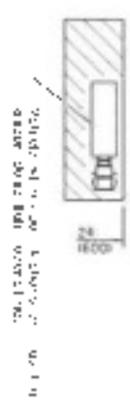
GENERAL NOTES
 1. SEE MANUFACTURER'S LITERATURE FOR
 REINFORCEMENT AND CONNECTION
 DETAILS.
 2. DIMENSIONS ARE NOT TO SCALE
 UNLESS OTHERWISE NOTED.



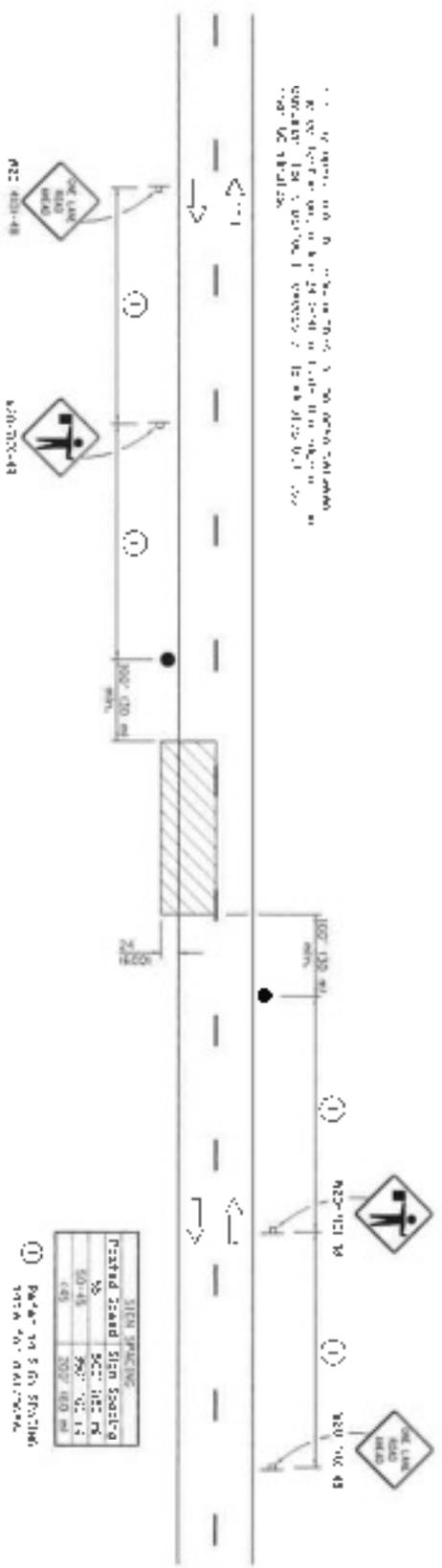
For any operation that is less than 200 feet, the sign should be placed at the beginning of the lane closure. The sign should be placed at the beginning of the lane closure. The sign should be placed at the beginning of the lane closure.



For any operation that is less than 200 feet, the sign should be placed at the beginning of the lane closure. The sign should be placed at the beginning of the lane closure. The sign should be placed at the beginning of the lane closure.



For any operation that is less than 200 feet, the sign should be placed at the beginning of the lane closure. The sign should be placed at the beginning of the lane closure. The sign should be placed at the beginning of the lane closure.



SIGN PLACEMENT	
100'	100'
100'	100'
100'	100'
100'	100'

TYPICAL APPLICATIONS

40' x 70' Standard
44' x 70' Standard
27' x 66' Standard
27' x 66' Standard
27' x 66' Standard
27' x 66' Standard

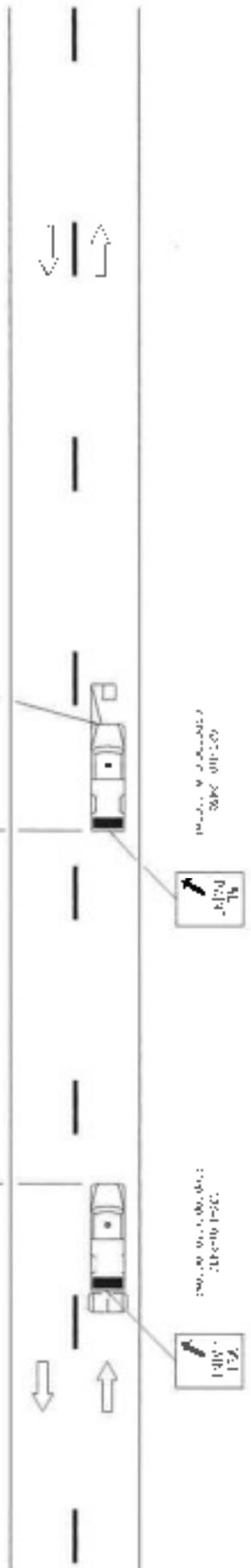
SYMBOLS

100' x 70' Standard
44' x 70' Standard
27' x 66' Standard
27' x 66' Standard
27' x 66' Standard
27' x 66' Standard

DATE	REVISIONS
10/10/10	REVISED TO ADD 27' x 66'
10/10/10	REVISED TO ADD 44' x 70'
10/10/10	REVISED TO ADD 100' x 70'

**LANE CLOSURE, 2L, 2W,
SHORT TIME OPERATIONS**

STANDARD 70301-04



* Distance varies depending on traffic and availability of proper marking or road section for trail marking.

TYPICAL APPLICATIONS

For details see:
 R10-201 sign
 R10-202 sign
 R10-203 sign
 R10-204 sign
 R10-205 sign
 R10-206 sign
 R10-207 sign
 R10-208 sign
 R10-209 sign
 R10-210 sign
 R10-211 sign
 R10-212 sign
 R10-213 sign
 R10-214 sign
 R10-215 sign
 R10-216 sign
 R10-217 sign
 R10-218 sign
 R10-219 sign
 R10-220 sign
 R10-221 sign
 R10-222 sign
 R10-223 sign
 R10-224 sign
 R10-225 sign
 R10-226 sign
 R10-227 sign
 R10-228 sign
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 R10-230 sign
 R10-231 sign
 R10-232 sign
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 R10-296 sign
 R10-297 sign
 R10-298 sign
 R10-299 sign
 R10-300 sign

SYMBOLS

- 1. [Symbol] - One way sign
- 2. [Symbol] - No parking sign
- 3. [Symbol] - [Symbol]

GENERAL NOTES

1. This sign is to be used only when the road is closed for a period of time. It is not to be used for a permanent closure. The distance between signs should be 100 feet.

2. The sign should be placed at the beginning and end of the closure. The sign should be placed at the beginning and end of the closure.

3. The sign should be placed at the beginning and end of the closure. The sign should be placed at the beginning and end of the closure.

4. The sign should be placed at the beginning and end of the closure. The sign should be placed at the beginning and end of the closure.

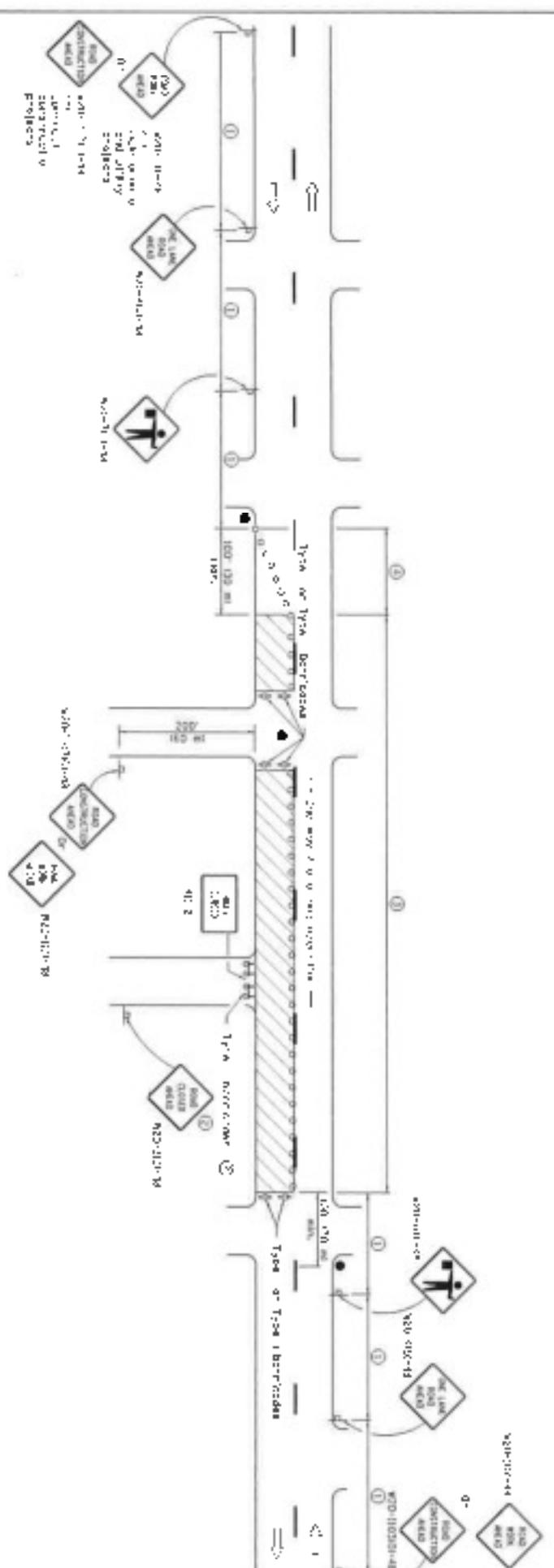
5. The sign should be placed at the beginning and end of the closure. The sign should be placed at the beginning and end of the closure.

Department of Transportation
 Office of Traffic Safety
 1234 Main Street
 Washington, DC 20540
 Phone: (202) 366-5000
 Fax: (202) 366-5001
 Website: www.dohd.gov

DATE	BY	REVISIONS
01/15/03	J. W. BARNETT	Initial design
02/10/03	J. W. BARNETT	Final design
03/10/03	J. W. BARNETT	Final design
04/10/03	J. W. BARNETT	Final design
05/10/03	J. W. BARNETT	Final design
06/10/03	J. W. BARNETT	Final design
07/10/03	J. W. BARNETT	Final design
08/10/03	J. W. BARNETT	Final design
09/10/03	J. W. BARNETT	Final design
10/10/03	J. W. BARNETT	Final design
11/10/03	J. W. BARNETT	Final design
12/10/03	J. W. BARNETT	Final design

**LANE CLOSURE 2L, 2W
MOVING OPERATIONS-
DAY ONLY**

STANDARD 20311-03



S-201 SPECIFICATIONS	
Plotted Speed Limit	50-59
Plotted Speed Limit	60-69
Plotted Speed Limit	70-79
Plotted Speed Limit	80-89
Plotted Speed Limit	90-99
Plotted Speed Limit	100-109
Plotted Speed Limit	110-119
Plotted Speed Limit	120-129
Plotted Speed Limit	130-139
Plotted Speed Limit	140-149
Plotted Speed Limit	150-159
Plotted Speed Limit	160-169
Plotted Speed Limit	170-179
Plotted Speed Limit	180-189
Plotted Speed Limit	190-199
Plotted Speed Limit	200-209
Plotted Speed Limit	210-219
Plotted Speed Limit	220-229
Plotted Speed Limit	230-239
Plotted Speed Limit	240-249
Plotted Speed Limit	250-259
Plotted Speed Limit	260-269
Plotted Speed Limit	270-279
Plotted Speed Limit	280-289
Plotted Speed Limit	290-299
Plotted Speed Limit	300-309
Plotted Speed Limit	310-319
Plotted Speed Limit	320-329
Plotted Speed Limit	330-339
Plotted Speed Limit	340-349
Plotted Speed Limit	350-359
Plotted Speed Limit	360-369
Plotted Speed Limit	370-379
Plotted Speed Limit	380-389
Plotted Speed Limit	390-399
Plotted Speed Limit	400-409
Plotted Speed Limit	410-419
Plotted Speed Limit	420-429
Plotted Speed Limit	430-439
Plotted Speed Limit	440-449
Plotted Speed Limit	450-459
Plotted Speed Limit	460-469
Plotted Speed Limit	470-479
Plotted Speed Limit	480-489
Plotted Speed Limit	490-499
Plotted Speed Limit	500-509
Plotted Speed Limit	510-519
Plotted Speed Limit	520-529
Plotted Speed Limit	530-539
Plotted Speed Limit	540-549
Plotted Speed Limit	550-559
Plotted Speed Limit	560-569
Plotted Speed Limit	570-579
Plotted Speed Limit	580-589
Plotted Speed Limit	590-599
Plotted Speed Limit	600-609
Plotted Speed Limit	610-619
Plotted Speed Limit	620-629
Plotted Speed Limit	630-639
Plotted Speed Limit	640-649
Plotted Speed Limit	650-659
Plotted Speed Limit	660-669
Plotted Speed Limit	670-679
Plotted Speed Limit	680-689
Plotted Speed Limit	690-699
Plotted Speed Limit	700-709
Plotted Speed Limit	710-719
Plotted Speed Limit	720-729
Plotted Speed Limit	730-739
Plotted Speed Limit	740-749
Plotted Speed Limit	750-759
Plotted Speed Limit	760-769
Plotted Speed Limit	770-779
Plotted Speed Limit	780-789
Plotted Speed Limit	790-799
Plotted Speed Limit	800-809
Plotted Speed Limit	810-819
Plotted Speed Limit	820-829
Plotted Speed Limit	830-839
Plotted Speed Limit	840-849
Plotted Speed Limit	850-859
Plotted Speed Limit	860-869
Plotted Speed Limit	870-879
Plotted Speed Limit	880-889
Plotted Speed Limit	890-899
Plotted Speed Limit	900-909
Plotted Speed Limit	910-919
Plotted Speed Limit	920-929
Plotted Speed Limit	930-939
Plotted Speed Limit	940-949
Plotted Speed Limit	950-959
Plotted Speed Limit	960-969
Plotted Speed Limit	970-979
Plotted Speed Limit	980-989
Plotted Speed Limit	990-999
Plotted Speed Limit	1000-1009

STATIONS

- 1. For approved alternative construction methods, see the approved alternative construction methods section of the manual.
- 2. For approved alternative construction methods, see the approved alternative construction methods section of the manual.
- 3. For approved alternative construction methods, see the approved alternative construction methods section of the manual.
- 4. For approved alternative construction methods, see the approved alternative construction methods section of the manual.
- 5. For approved alternative construction methods, see the approved alternative construction methods section of the manual.
- 6. For approved alternative construction methods, see the approved alternative construction methods section of the manual.
- 7. For approved alternative construction methods, see the approved alternative construction methods section of the manual.
- 8. For approved alternative construction methods, see the approved alternative construction methods section of the manual.
- 9. For approved alternative construction methods, see the approved alternative construction methods section of the manual.
- 10. For approved alternative construction methods, see the approved alternative construction methods section of the manual.

GENERAL NOTES

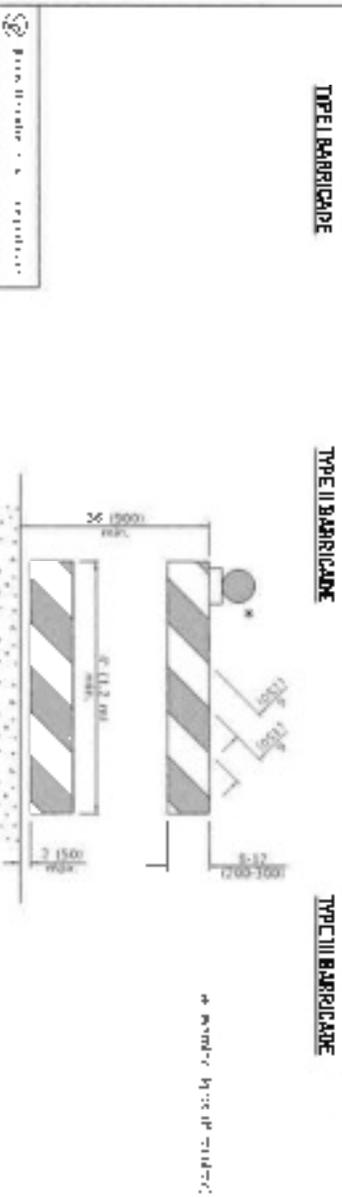
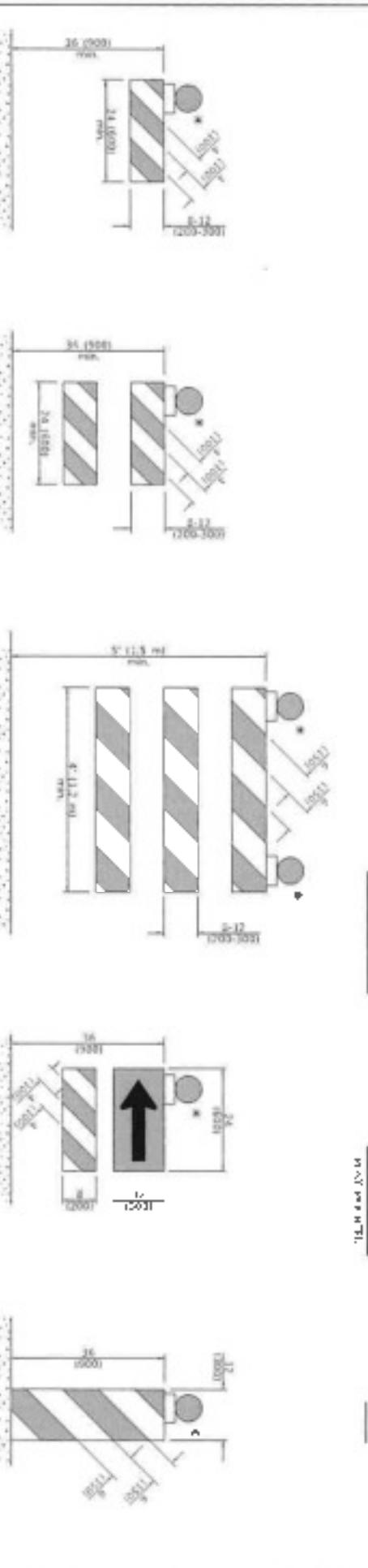
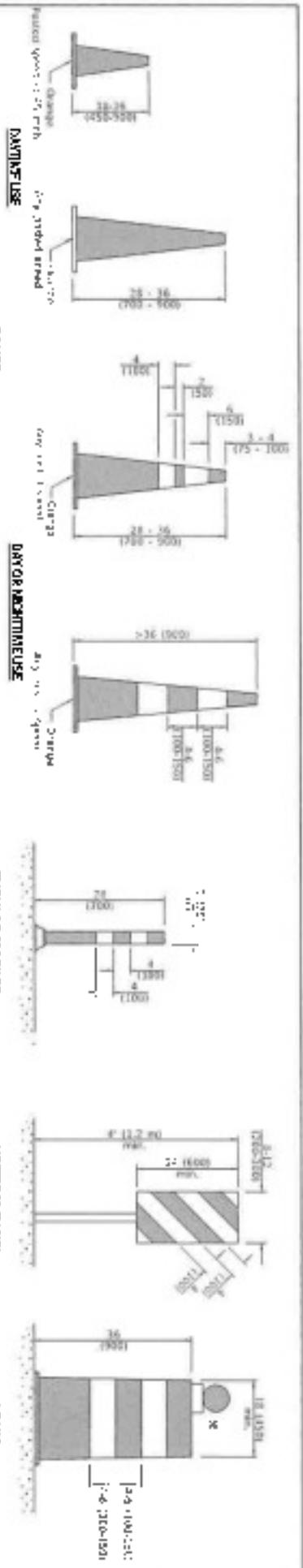
1. This standard is based on the 2009 edition of the Manual for Uniform Traffic Control Devices (MUTCD) and the 2009 edition of the Standard Specifications for Road and Bridge Construction. It is intended to be used in conjunction with the 2009 edition of the Manual for Uniform Traffic Control Devices (MUTCD) and the 2009 edition of the Standard Specifications for Road and Bridge Construction.

PROJECT NO.	2010-001
SECTION NO.	2010-001-001
DATE	10/1/10
BY	J. J. J.
CHECKED BY	J. J. J.
APPROVED BY	J. J. J.
SCALE	AS SHOWN

DATE	REVISION
10/1/10	Initial Design
10/1/10	Final Design
10/1/10	Construction
10/1/10	As Shown

**URBAN LANE CLOSURE,
2L 2W, UNDIVIDED**

STANDARD 20101-06



Department of Transportation
 Bureau of Highway Construction and Maintenance
 Office of Traffic Engineering
 1000 North 17th Street
 Phoenix, Arizona 85003
 (602) 354-3300
 T-100-100-0000

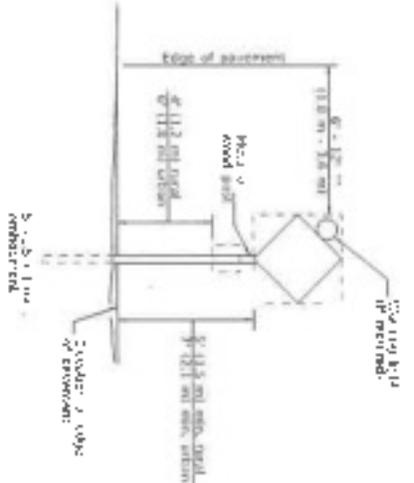
UNIT	III OF QMS
T-100-100-0000	REVISIONS
1	ISSUE

TRAFFIC CONTROL DEVICES

STANDARD T01901-08

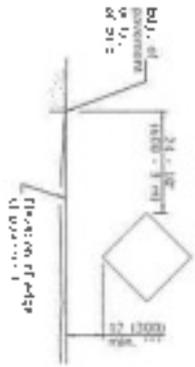
GENERAL NOTES

1. Barricade shown here is provided shown for
 general use only.
 2. All other signs and devices to be installed
 in accordance with the Manual on Uniform Traffic
 Control Devices.



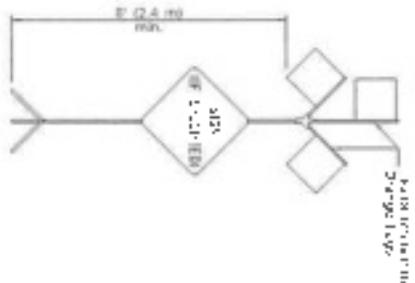
POST MOUNTED SIGNS

When used in areas with 11.5% or greater maximum allowable slope, the sign shall be tilted to the right of vertical at 1:100 or 1.1%.



SIGNS ON TEMPORARY SUPPORTS

When used in areas with 11.5% or greater maximum allowable slope, the sign shall be tilted to the right of vertical at 1:100 or 1.1%.



HIGH LEVEL WARNING DEVICE

3-1/2" CONTRACTING
4" X 4" MILES
CONTRACTING
CONTRACTING

The sign shall be mounted on a post 118 in. (3000 mm) high from base of sign. The sign shall be mounted on a post 118 in. (3000 mm) high from base of sign. The sign shall be mounted on a post 118 in. (3000 mm) high from base of sign.

WORK LIMIT SCHEDULING



By agreement of the contractor and the contractor of the contractor.



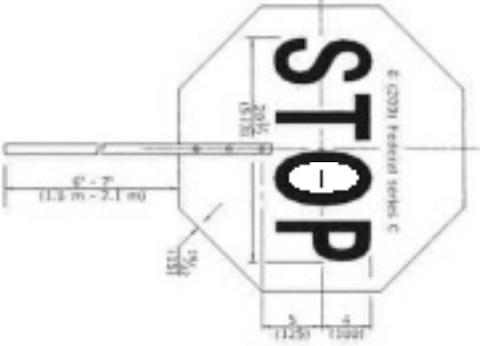
PRIMARY CONSTRUCTION SPEED ZONE SIGNS

The sign shall be 48 in. (1219 mm) high from base of sign. The sign shall be 36 in. (914 mm) wide from base of sign.

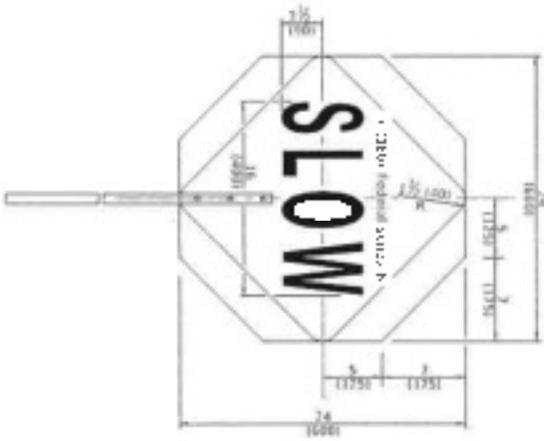


WIDTH RESTRICTION SIGN

48 in. (1219 mm) height, 36 in. (914 mm) width, 12 in. (305 mm) depth.



FRONT SIDE



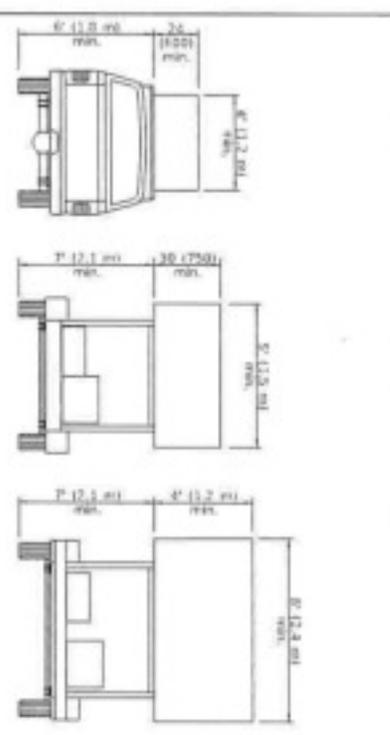
FRONT SIDE

FLAGMAN TRAFFIC CONTROL SIGN

TRAFFIC CONTROL DEVICES

STANDARD 701901-08

TRAFFIC CONTROL DEVICES
STANDARD 701901-08
CONTRACTING
CONTRACTING

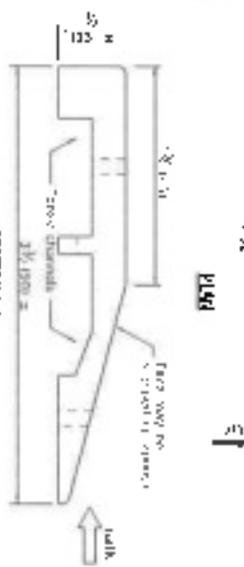
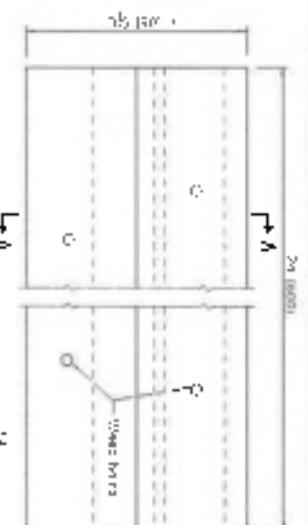


**TYPE A
BOILER
MANUFACTURE**

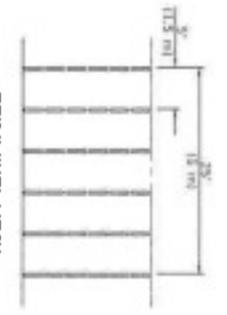
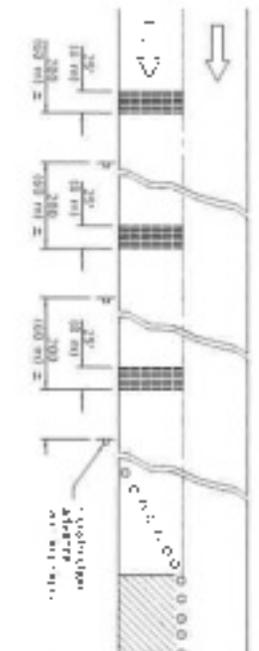
**TYPE B
BOILER FOR MILLING
MOUNTING**

**TYPE C
TRAILER
FOR MILLING**

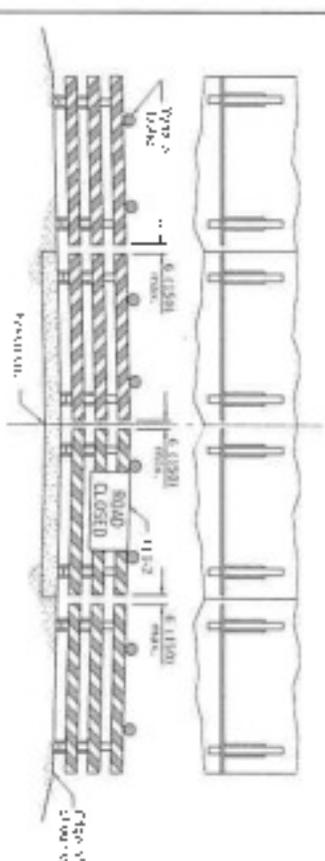
BARRIER BOARDS



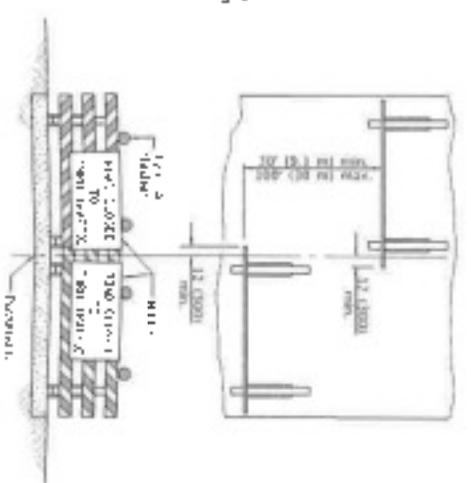
TEMPORARY RUMBLE STRIPS



TYPICAL INERTIA LAMINA



For detailed criteria, may be referred to the following documents:
 1. Type II barrier boards are not intended for use on roads with a design speed of 45 mph or greater. The sign may be retained at an angle to the road surface.
 2. Type III barrier boards are not intended for use on roads with a design speed of 45 mph or greater.

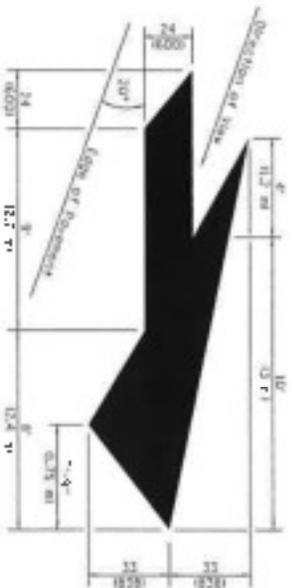


**TYPICAL APPLICATIONS OF
TYPE III BARRICADES CLOSING A ROAD**

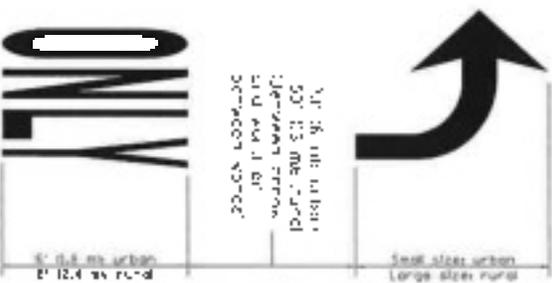
It is intended that this standard apply to the application of Type III barrier boards on roads with a design speed of 45 mph or greater. The sign may be retained at an angle to the road surface.

**TRAFFIC CONTROL
DEVICES**

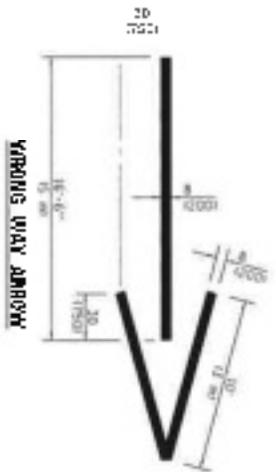
STANDARD T019011-08



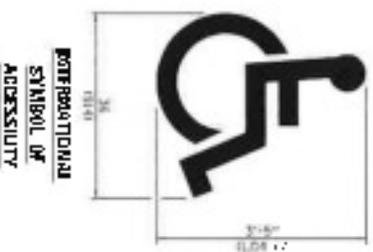
LANE-REDUCTION ARROW
 SHOWS THE LOCATION OF THE ARROW ON THE ROAD SURFACE OF THE ROAD.



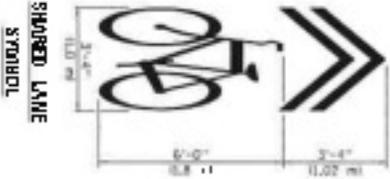
WORD AND ARROW LAYOUT



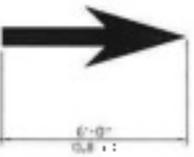
VARYING WAY ARROW



POTENTIAL SYMBOL OF ACCESSIBILITY



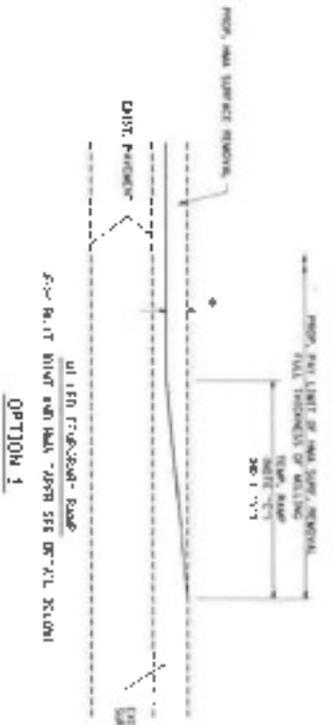
SHARED LANE SYMBOL



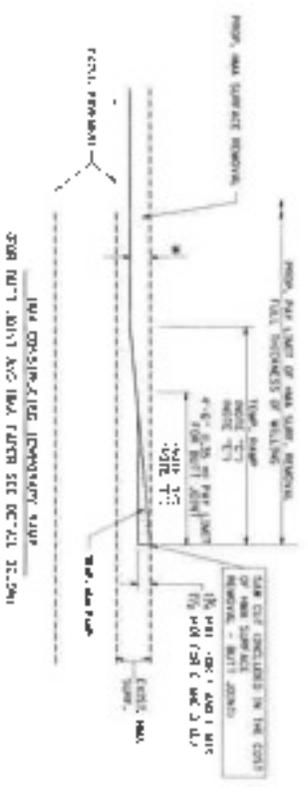
BIKE SYMBOL

PROJECT	DATE	BY	REVISED
DESIGNED BY	DATE	BY	REVISED
CHECKED BY	DATE	BY	REVISED
APPROVED BY	DATE	BY	REVISED
PROJECT NO.	DATE	BY	REVISED

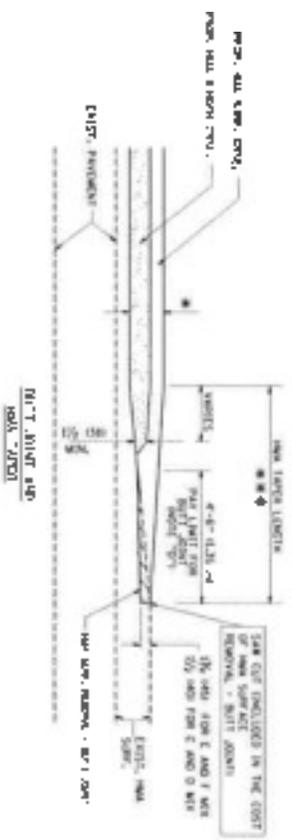
TYPICAL PAVEMENT MARKINGS
 STANDARD 2000-05



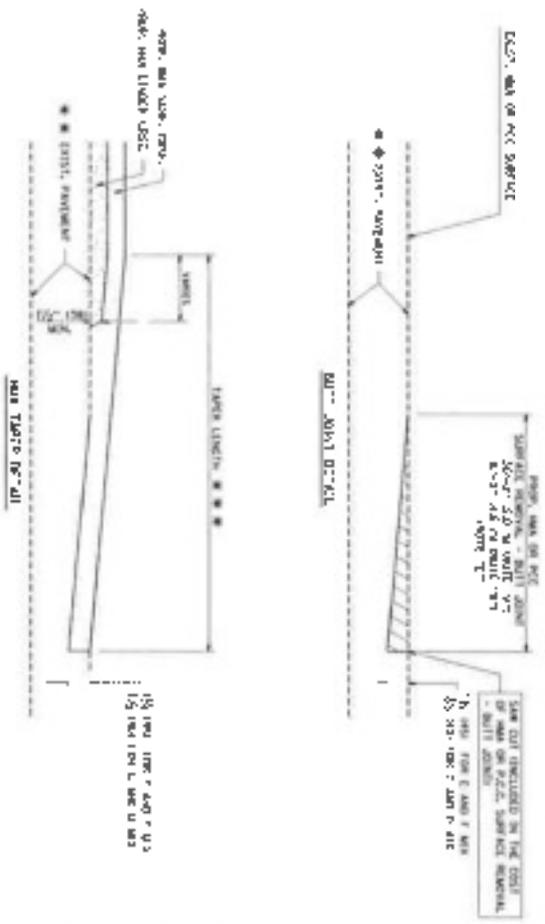
OPTION 1
 1/4\"/>



OPTION 2
 1/4\"/>



TYPICAL BUTT JOINT AND HMA TAPER
 FOR MILLING AND RESURFACING



TYPICAL BUTT JOINT AND HMA TAPER
 FOR RESURFACING ONLY

1/4\"/>

NOTES:

1. HMA SURFACE REMOVAL SHALL BE CONDUCTED IMMEDIATELY FROM COMPLETION OF THE EXISTING HMA SURFACE.
2. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY UPON COMPLETION OF THE EXISTING HMA SURFACE.
3. THE TOP SURFACE OF THE HMA SURFACE SHALL BE FINISHED TO THE PROPOSED FINISH ELEVATION.
4. THE HMA SURFACE SHALL BE FINISHED TO THE PROPOSED FINISH ELEVATION.
5. THE HMA SURFACE SHALL BE FINISHED TO THE PROPOSED FINISH ELEVATION.
6. THE HMA SURFACE SHALL BE FINISHED TO THE PROPOSED FINISH ELEVATION.
7. THE HMA SURFACE SHALL BE FINISHED TO THE PROPOSED FINISH ELEVATION.
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9. THE HMA SURFACE SHALL BE FINISHED TO THE PROPOSED FINISH ELEVATION.
10. THE HMA SURFACE SHALL BE FINISHED TO THE PROPOSED FINISH ELEVATION.

PROJECT INFORMATION		SHEET NO. 1 OF 1 SHEETS	
DATE	SCALE	PROJECT NO.	SHEET NO.
10/15/10	AS SHOWN	100000000	100000000
DESIGNED BY		CHECKED BY	
10/15/10		10/15/10	
DRAWN BY		APPROVED BY	
10/15/10		10/15/10	
SCALE		DATE	
AS SHOWN		10/15/10	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

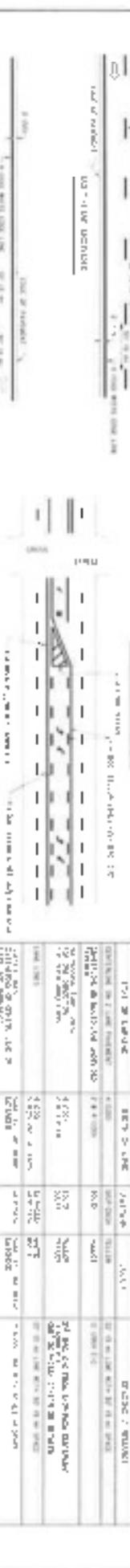
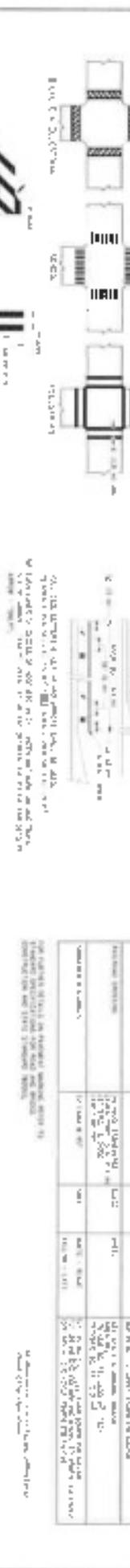
BUTT JOINT AND
 HMA TAPER DETAILS

SECTION
 DATE | BY | NO. || | | | |

PROJECT NO.	DATE	BY	REVISION	DATE	BY	REVISION	DATE	BY	REVISION

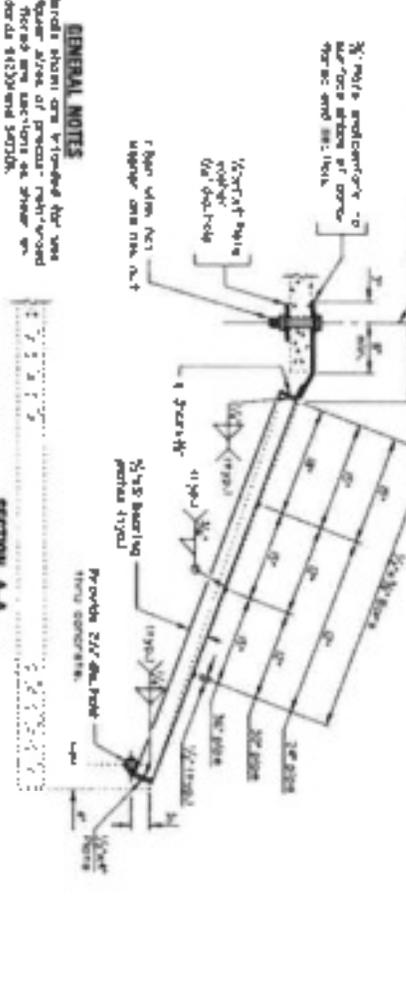
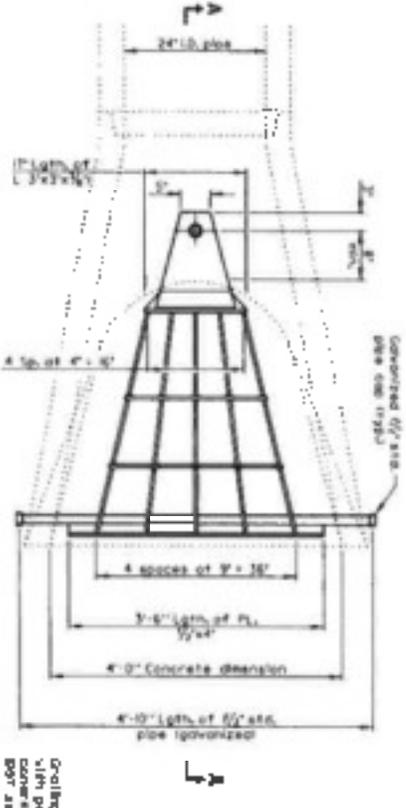
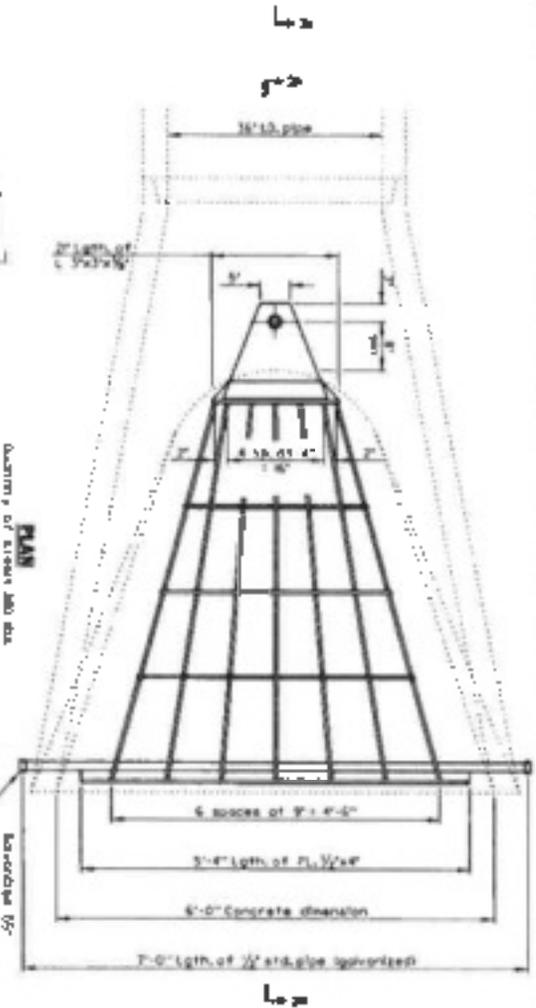
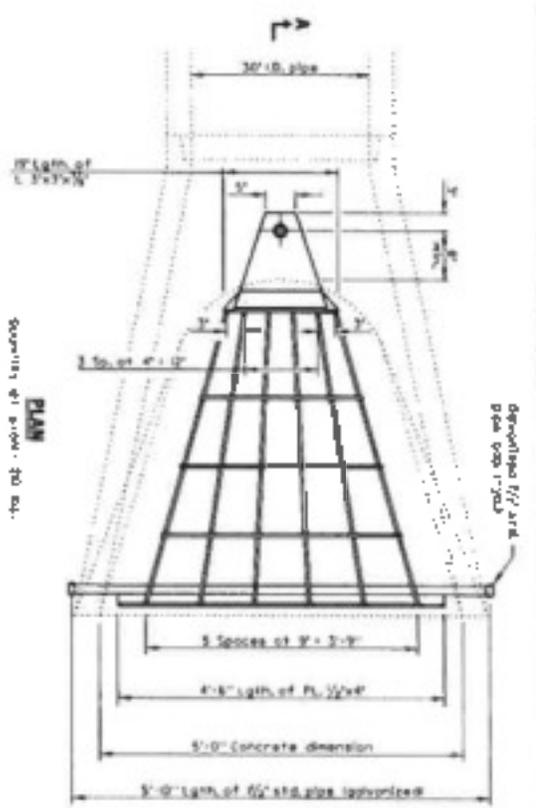
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONTRACT NO. 15-1170-10A
TYPICAL PAVEMENT MARKINGS**



MARKING TYPE	PAINT TYPE	MARKING WIDTH	MARKING SPACING	MARKING LENGTH	MARKING THICKNESS	MARKING COLOR	MARKING MATERIAL
Crosswalk	White	12 feet	12 feet	12 feet	1/2 inch	White	White
Lane	White	12 feet	12 feet	12 feet	1/2 inch	White	White
Median	White	12 feet	12 feet	12 feet	1/2 inch	White	White
Shoulder	White	12 feet	12 feet	12 feet	1/2 inch	White	White
Edge	White	12 feet	12 feet	12 feet	1/2 inch	White	White
Intersection	White	12 feet	12 feet	12 feet	1/2 inch	White	White

ILLINOIS DEPARTMENT OF TRANSPORTATION
CONTRACT NO. 15-1170-10A
TYPICAL PAVEMENT MARKINGS



GENERAL NOTES

Grading details shown are intended for use with precast concrete. Reinforced concrete flared end sections as shown on per standard 4123 and 4124.

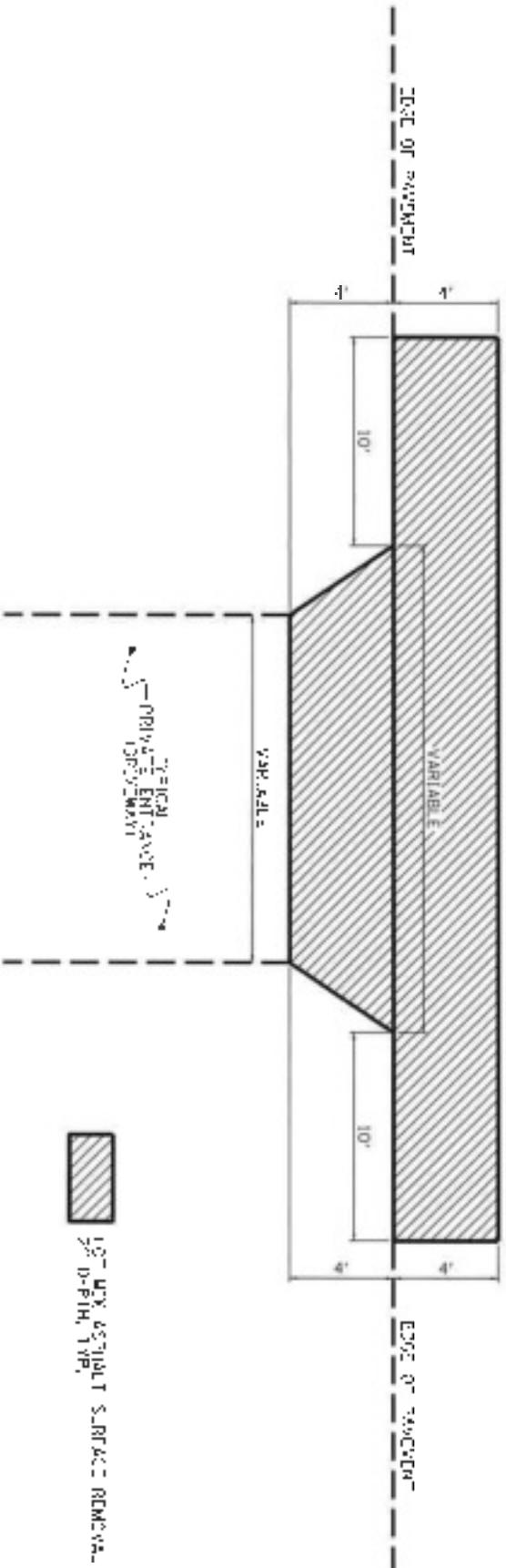
Reinforcing quantity or placement includes quantity of precast concrete, including end fittings.

Notes to the project: concrete flared end sections are shown in the drawing. The flared end sections are shown in the drawing. The flared end sections are shown in the drawing.

PROJECT NAME	LAKE COUNTY STAIRWAYS & RAILS
DATE	DEC 11, 2011
APPROVED BY	M. S. DOWD
DATE	DEC 11, 2011
PROJECT NO.	1247-547
SCALE	1" = 1'-0"
REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMIT
2	ISSUED FOR PERMIT
3	ISSUED FOR PERMIT
4	ISSUED FOR PERMIT
5	ISSUED FOR PERMIT
6	ISSUED FOR PERMIT
7	ISSUED FOR PERMIT
8	ISSUED FOR PERMIT
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100	ISSUED FOR PERMIT

CENTERLINE OF ROAD

ASPHALT TOSSED



Hot-Mix Asphalt Surface Removal, Four
Driveways, 2' Special

November 21, 2019

To: Philip Kazimier

Director of Construction Services
Trotter Associates, Inc.
40W201 Wasco Road, Suite D
St. Charles, Illinois 60175

Re: **Pavement Cores Summary Report**

Proposed Pavement Cores
2020 Road Resurfacing Program
Village of Barrington Hills, Illinois
Rubino Project: G19.146

Via email: p.kazimier@trotter-inc.com

Dear Mr. Kazimier,

Rubino Engineering, Inc. is pleased to submit the following summary report for the above referenced project.

Authorization History and Project Scope

Rubino Engineering, Inc. received authorization to proceed on Rubino proposal number Q19.448g dated November 12, 2019 by Phillip Kazimier of Trotter and Associates, Inc.

Closing

Rubino appreciates the opportunity to provide coring services for this project and we look forward to continued participation during the design and in future construction phases of this project.

If you have questions pertaining to this report, or if Rubino may be of further service, please contact our office at (847) 931-1555.

Respectfully Submitted,

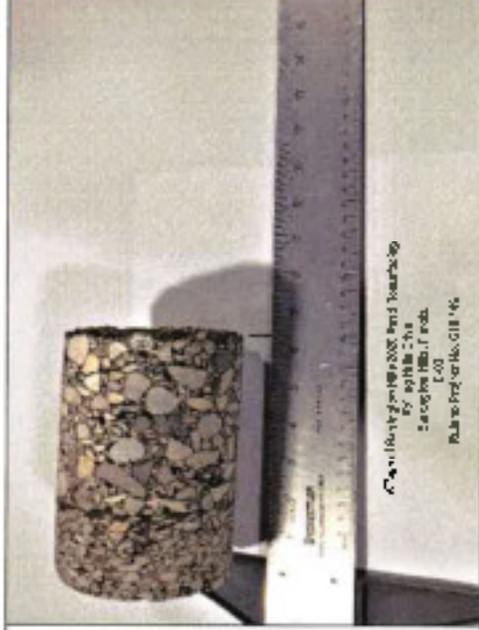
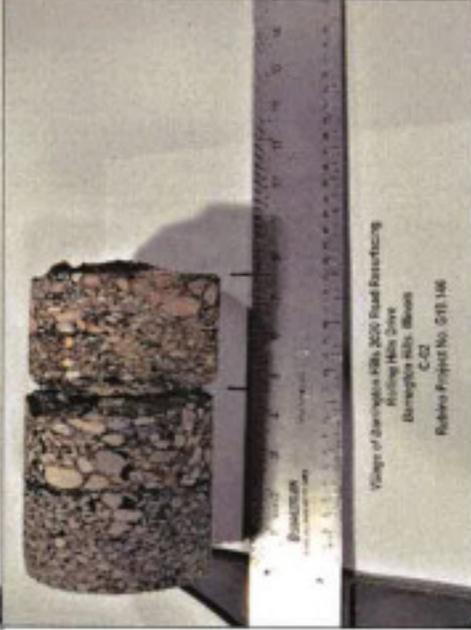
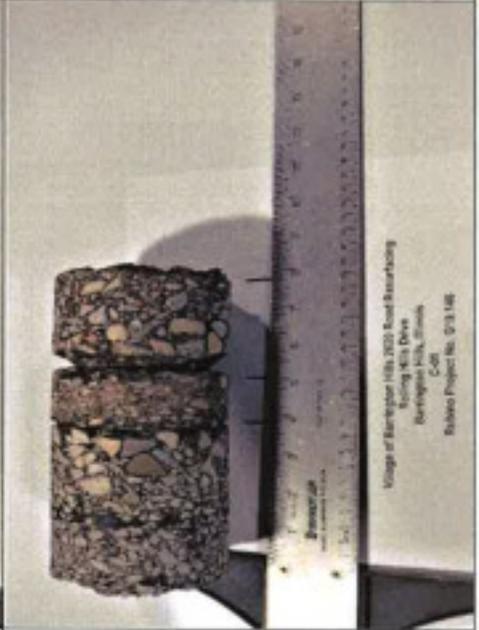
Rubino Engineering, Inc.



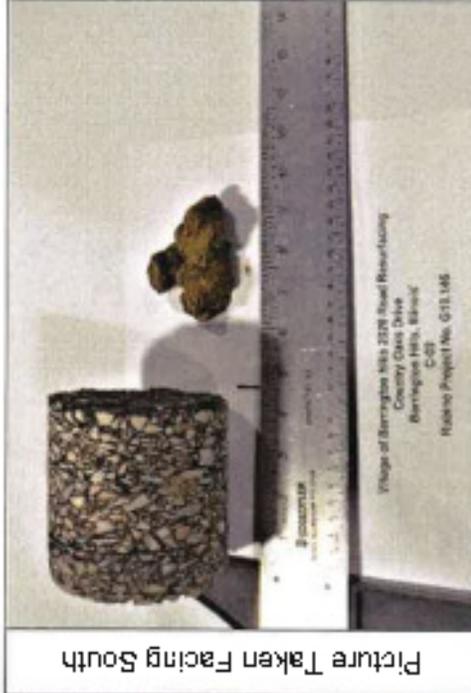
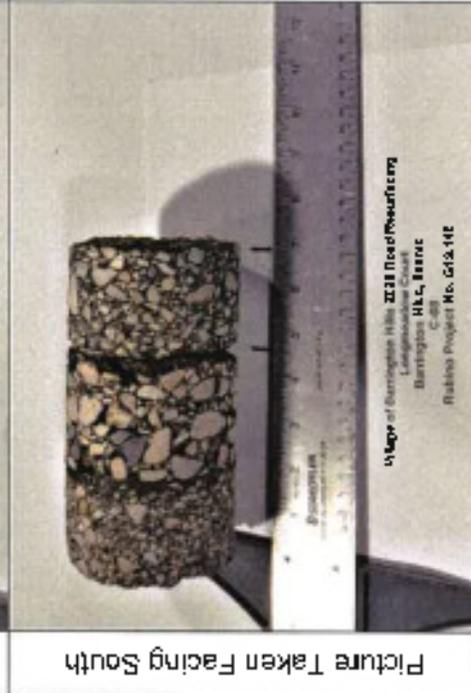
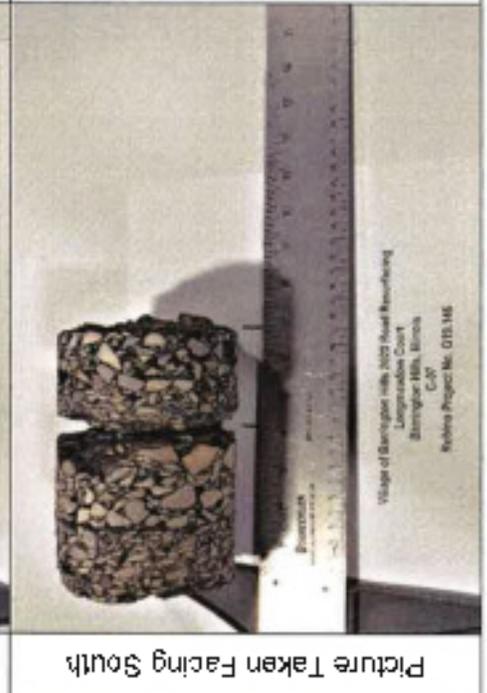
Michelle Lipinski, P.E., President



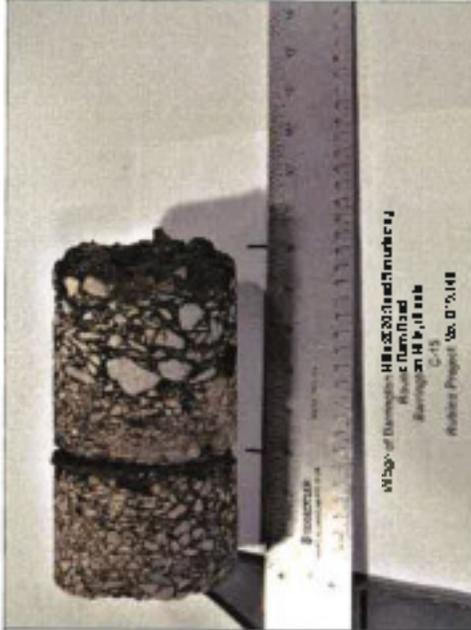
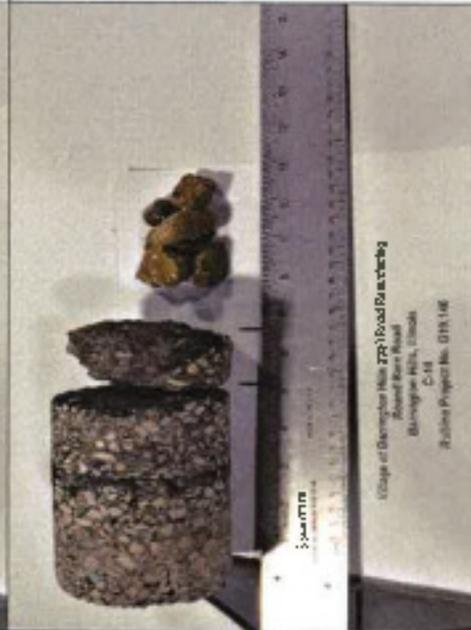
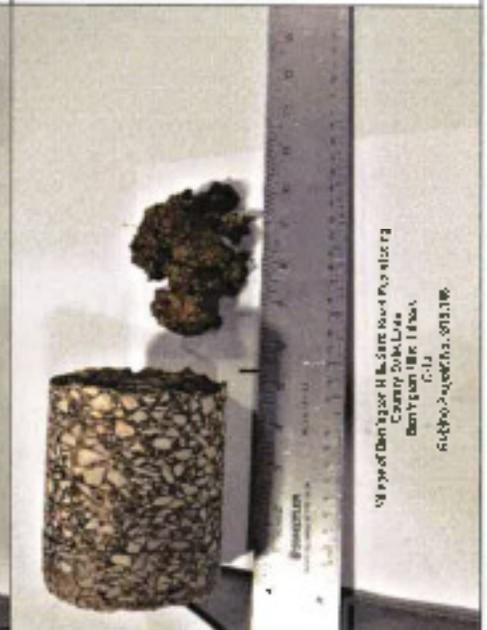
Cores were taken in the pavement of various streets in Barrington Hills, Illinois. The table below summarizes the thicknesses observed in the field and laboratory.

Core - 03 (Rolling Hills Drive)	Core - 02 (Rolling Hills Drive)	Core - 01 (Rolling Hills Drive)
		
Picture Taken Facing East	Picture Taken Facing North	Picture Taken Facing South
		
<p><u>Total Thickness = 6 1/2 inches</u></p> <ul style="list-style-type: none"> HMA Surface = 2 in. Fabric Interlayer HMA Binder = 4 1/4 in. Subbase Stone = 7 1/2 inches 	<p><u>Total Thickness = 7 1/2 inches</u></p> <ul style="list-style-type: none"> HMA Surface = 2 1/2 in. Fabric Interlayer HMA Binder = 2 in. Binder to Surface, Weathered & Deteriorated HMA Surface = 1 1/2 in. HMA Binder = 1 1/2 in. Subbase Stone = 9 1/2 inches 	<p><u>Total Thickness = 7 1/4 inches</u></p> <ul style="list-style-type: none"> HMA Surface = 2 in. Fabric Interlayer HMA Binder = 1 1/2 in. Binder to Surface, Weathered & Deteriorated HMA Surface = 1 1/2 in. Surface to Binder, Weathered & Deteriorated HMA Binder = 2 1/4 in. Subbase Stone = 8 1/4 inches

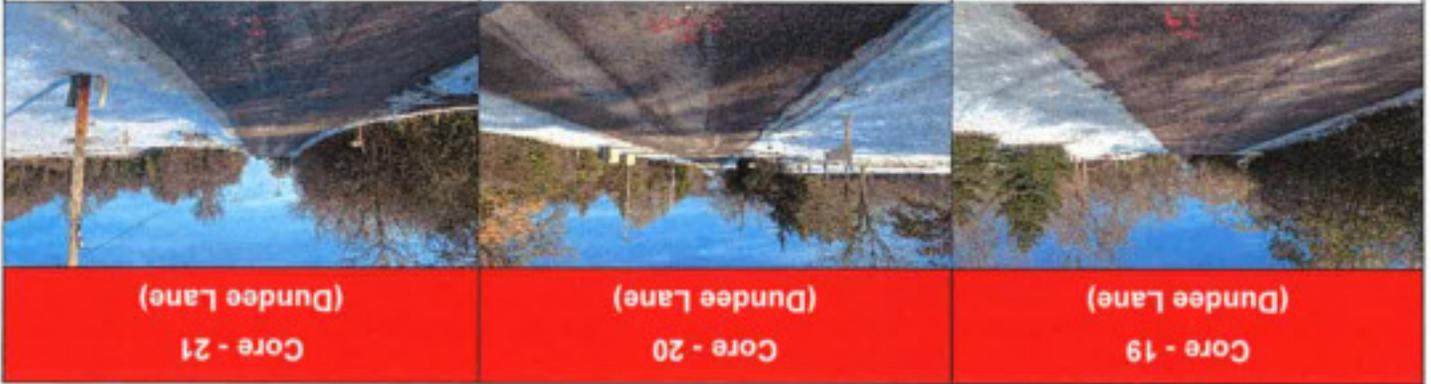
<p>Core - 04 (Rolling Hills Drive) Picture Taken Facing West</p>		<p>Village of Barrington Hills, 2026 Road Road Widening Rolling Hills Drive Barrington Hills, Illinois C-4 Rubino Project No. C19.146</p>	<p><u>Total Thickness = 6 1/2 inches</u></p> <ul style="list-style-type: none"> HMA Surface = 2 in. Fabric Interlayer HMA Binder = 2 in. Binder to Surface, Weathered & Deteriorated HMA Surface = 1 in. HMA Surface to Binder, Weathered & Deteriorated HMA Binder = 3 in. NOT FULLY RECOVERED due to Weathering & Detonation Subbase Stone = 8 1/2 inches
<p>Core - 05 (Longmeadow Drive) Picture Taken Facing West</p>		<p>Village of Barrington Hills, 2026 Road Road Widening Longmeadow Drive Barrington Hills, Illinois C-5 Rubino Project No. C19.146</p>	<p><u>Total Thickness = 9 1/2 inches</u></p> <ul style="list-style-type: none"> HMA Surface = 2 1/2 in. Fabric Interlayer HMA Surface = 2 1/2 in. Surface to Binder, Weathered & Deteriorated HMA Binder = 4 1/2 in. Subbase Stone = 10 1/2 inches
<p>Core - 06 (Longmeadow Drive) Picture Taken Facing East</p>		<p>Village of Barrington Hills, 2026 Road Road Widening Longmeadow Drive Barrington Hills, Illinois C-6 Rubino Project No. C19.146</p>	<p><u>Total Thickness = 5 1/2 inches</u></p> <ul style="list-style-type: none"> HMA Surface = 1 1/2 in. Surface to Binder, Weathered & Deteriorated HMA Binder = 3 in. NOT FULLY RECOVERED due to Weathering & Detonation Subbase Stone = 8 1/2 inches

<p>Core - 09 (Country Oaks Drive)</p>		<p>Picture Taken Facing South</p> 	<p><u>Total Thickness = 4 1/2 inches</u></p> <ul style="list-style-type: none"> HMA Surface = 1 1/2 in. HMA Fabric Interlayer HMA Surface = 3 in. Subbase Stone = 5 1/2 inches
<p>Core - 08 (Longmeadow Court)</p>		<p>Picture Taken Facing South</p> 	<p><u>Total Thickness = 6 inches</u></p> <ul style="list-style-type: none"> HMA Surface = 2 1/2 in. HMA Fabric Interlayer HMA Binder = 2 1/2 in. Blinders to Binder Weathering & Deterioration HMA Binder = 2 1/2 in. Subbase Stone = 15 1/2 inches
<p>Core - 07 (Longmeadow Court)</p>		<p>Picture Taken Facing South</p> 	<p><u>Total Thickness = 6 1/2 inches</u></p> <ul style="list-style-type: none"> HMA Surface = 2 in. HMA Fabric Interlayer HMA Binder = 2 in. Blinders to Surface Weathering & Deterioration HMA Surface = 1 in. HMA Binder = 1 1/2 in. Subbase Stone = 13 1/2 inches

Core - 12 (Country Oaks Lane)	Picture Taken Facing East	Picture Taken Facing East	<p><u>Total Thickness = 4 1/2 inches</u></p> <p>HMA Surface = 1 1/2 in.</p> <p>Fabric Interlayer</p> <p>HMA Surface = 3 in.</p> <p>Subbase Stone = 11 1/2 inches</p>
Core - 11 (Country Oaks Drive)	Picture Taken Facing South	Picture Taken Facing South	<p><u>Total Thickness = 4 1/2 inches</u></p> <p>HMA Surface = 1 1/2 in.</p> <p>Fabric Interlayer</p> <p>HMA Surface = 1/2 in.</p> <p>Surface to Surface, Weathered & Deteriorated</p> <p>HMA Surface = 2 1/2 in.</p> <p>Subbase Stone Not Observed</p>
Core - 10 (Country Oaks Drive)	Picture Taken Facing Southwest	Picture Taken Facing Southwest	<p><u>Total Thickness = 5 1/2 inches</u></p> <p>HMA Surface = 1 1/2 in.</p> <p>Fabric Interlayer</p> <p>HMA Surface = 1 in.</p> <p>Surface to Surface, Weathered & Deteriorated</p> <p>HMA Surface = 2 1/2 in.</p> <p>Subbase Stone Not Observed</p>

<p>Core - 15 (Round Barn Road)</p>  <p>Picture Taken Facing South</p>	 <p>Village of Barrington Hills 2020 Resurfacing Program Round Barn Road Barrington Hills, IL 60015 C-15 Rubino Project No. 019.146</p>	<p><u>Total Thickness = 8 inches</u></p> <ul style="list-style-type: none"> HMA Surface = 1 1/2 in. HMA Surface = 1 in. Fabric Interlayer Surface to Surface, Weathered & Deteriorated HMA Surface = 1 1/4 in. HMA Binder = 4 in. Subbase Stone = 3 1/2 inches
<p>Core - 14 (Round Barn Road)</p>  <p>Picture Taken Facing East</p>	 <p>Village of Barrington Hills 2020 Road Resurfacing Program Round Barn Road Barrington Hills, Illinois C-14 Rubino Project No. 019.146</p>	<p><u>Total Thickness = 5 1/2 inches</u></p> <ul style="list-style-type: none"> HMA Surface = 2 in. HMA Surface = 1 in. Fabric Interlayer Surface to Surface, Weathered & Deteriorated HMA Surface = 1 1/2 in. Subbase Stone = 9 inches
<p>Core - 13 (Country Oaks Lane)</p>  <p>Picture Taken Facing East</p>	 <p>Village of Barrington Hills 2020 Resurfacing Program Country Oaks Lane Barrington Hills, Illinois C-13 Rubino Project No. 019.146</p>	<p><u>Total Thickness = 5 1/2 inches</u></p> <ul style="list-style-type: none"> HMA Surface = 1 1/2 in. Fabric Interlayer HMA Surface = 3 3/4 in. Subbase Stone = 6 1/2 inches

<p>Core - 18 (Dundee Lane)</p>		<p>Picture Taken Facing North</p>		<p><u>Total Thickness = 10 1/2 inches</u></p> <ul style="list-style-type: none"> HMA Surface = 2 in. HMA Surface = 1 in. Surface to Surface, Weathered & Deteriorated HMA Surfaces = 7 1/2 in. Subbase Stone = 4 inches
<p>Core - 17 (Dundee Lane)</p>		<p>Picture Taken Facing North</p>		<p><u>Total Thickness = 9 1/2 inches</u></p> <ul style="list-style-type: none"> HMA Surface = 3 in. Surface to Surface, Weathering & Deterioration HMA Surface = 1 1/2 in. HMA Binder = 1 1/2 in. HMA Surface = 2 1/2 in. HMA Binder = 1 in. Subbase Stone = 4 inches
<p>Core - 16 (Dundee Lane)</p>		<p>Picture Taken Facing North</p>		<p><u>Total Thickness = 8 inches</u></p> <ul style="list-style-type: none"> HMA Surface = 2 1/2 in. Surface to Surface, Weathered & Deteriorated HMA Surface = 1 1/2 in. Fabric Interlayer HMA Binder = 1 in. HMA Surfaces = 3 in. Subbase Stone = 9 inches



Picture Taken Facing North

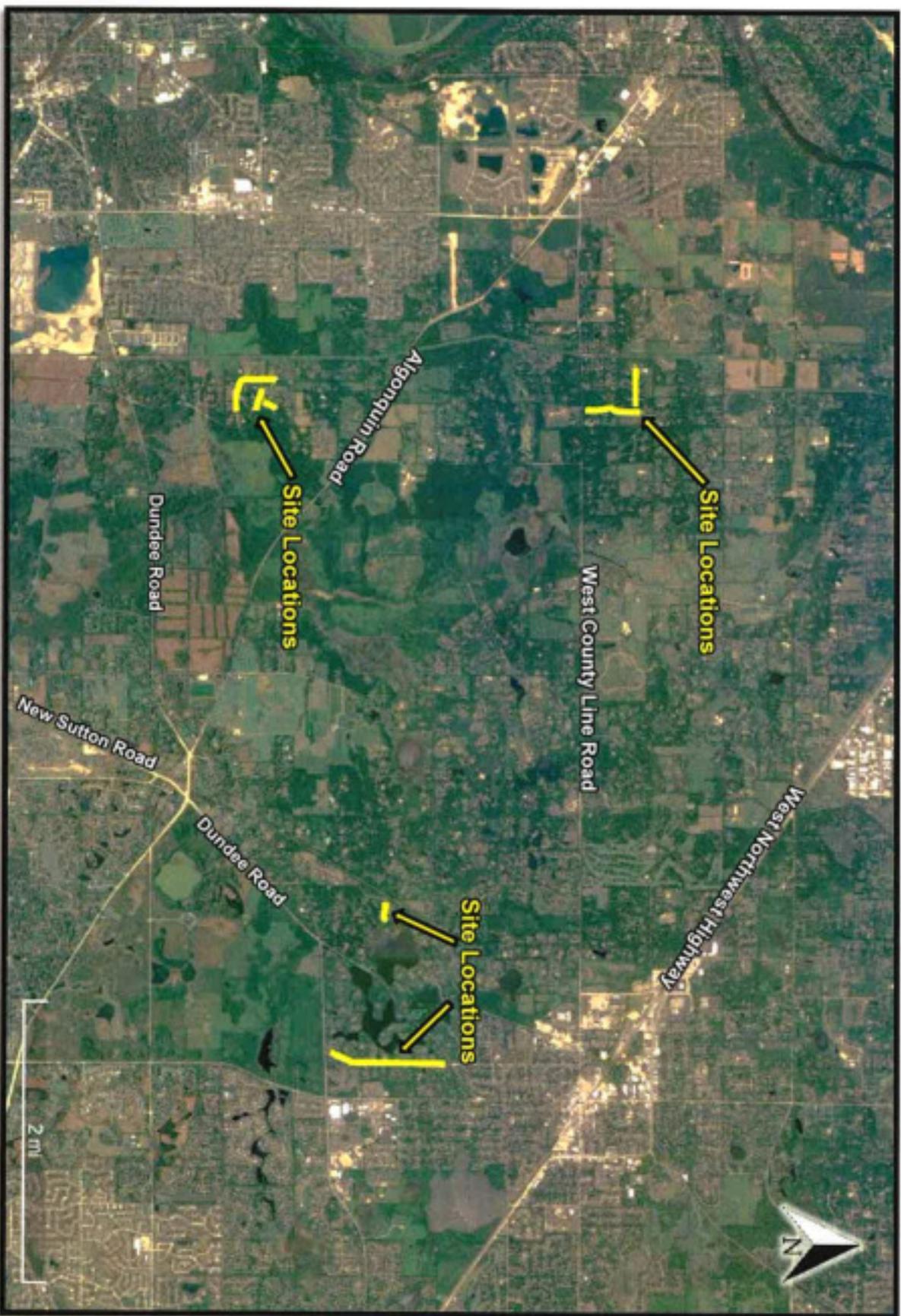


Picture Taken Facing North

<p>Total Thickness = 10 1/2 inches</p> <p>HMA Surface: 2 1/2 in. HMA Surface: 1 in. Surfaces to Surfaces Weathering & Deterioration HMA Surface: 2 in. HMA Surface: 1 in. Fabric Interlayer HMA Surface: 2 in. HMA Surface: 2 1/2 in. HMA Surface: 2 1/2 in. HMA Binder = 2 1/2 in. Subbase Stone = 2 inches</p>	<p>Total Thickness = 12 1/2 inches</p> <p>HMA Surface: 2 in. HMA Surface: 1 in. Surfaces to Surfaces Weathering & Deterioration HMA Surface: 1 1/2 in. HMA Surface: 2 in. HMA Surface: 2 in. HMA Surface: 2 in. HMA Binder = 1 in. Binder to Binder Weathering & Deterioration HMA Binder = 2 in. Binder to Binder Weathering & Deterioration HMA Binder = 1 in. Subbase Stone = 1 1/2 inches</p>	<p>Total Thickness = 12 inches</p> <p>HMA Surface: 2 1/2 in. Surfaces to Surfaces Weathering & Deterioration HMA Surface: 9 1/2 in. Subbase Stone = 6 inches</p>
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The referenced thicknesses are considered approximate. Commentary provided by Rubino is based on our observation in the laboratory. Crack = vertical through cross section; Weathering = rounded edges & degradation of asphalt and Deterioration = horizontal crack. Pavement and subbase type and thickness may vary between core locations. Any comments on the condition of the material are considered our opinion and should be verified by the design engineer.

SITE VICINITY MAP



CORE LOCATION PLAN 1



CORE LOCATION PLAN 2



CORE LOCATION PLAN 3



CORE LOCATION PLAN 4

